

Ring Index

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This index lists the heterocyclic parent ring systems and has been compiled from the occurrences of those systems and their derivatives in Volumes 1-9 in the text, tables, equations, and schemes. Heterocycles have been included when they occur as a starting material, isolable intermediate, or a product, but not when they are reported as a nonisolable intermediate or a solvent.

Compounds are generally classified according to their fully unsaturated parent compound (but see below). Thus substituted, partially saturated, and fully saturated derivatives of, for example, pyrrole are all indexed under pyrrole. Benzo and similar derivatives are included under the most unsaturated parent system (e.g., quinoline, thienofuran, etc.). For any given heterocyclic parent only one indicated hydrogen isomer appears in the text, typically the most stable or the lowest numbered form; thus all instances of pyran, whether of the *2H*- or *4H*-form, are indexed under *2H*-pyran.

The overall style follows that used in *Chemical Abstracts* and the first edition of *Comprehensive Heterocyclic Chemistry*, but in order to keep the size of the index within reasonable bounds more attention has been paid to the monocyclic and bicyclic rings and only systems containing up to four fused rings have been included. For the same reason a limit on individual ring size in any system has been placed at 10 atoms.

Heterocyclic systems can be named by various methods, depending on ring size, the presence of metal atoms, the availability of trivial names, etc. For this index the naming of the heterocyclic parents has generally followed the practices of IUPAC. Thus Hantzsch-Widman names have been employed for monocyclic systems and for the other systems when the smallest ring size is five atoms or more, but replacement nomenclature has usually been followed for bicyclic and higher systems when they contain three- and four-membered rings.

In addition to the name and structure of each parent system, the ring numbering of the system has also been given in every case.

Index entries are divided into two categories, primary and secondary. Primary index entries (page numbers printed in bold) occur when a significant part of a chapter is devoted to a particular ring system. Secondary index entries occur when a heterocyclic system is mentioned in a chapter devoted to other systems. This may be, for example, as a starting material or as a product, or in a discussion comparing properties.

AsCP
3*H*-Phospharsirene
1, **469–490**

AsSiTe
1*H*-Tellurarsasilirene
1, 461, 462, 465

As₂C
3*H*-Diarsirene
1, **469–490**

B₂N
1*H*-Azadiborirene
7, 837

CB₂
3*H*-Diborirene
1, **333–346**

CCoP
Phosphacobaltacyclopropane
1, 501

CFeP
Phosphaferracyclopropane
1, 498, 501

CFeS
Thiaferracyclopropane
1, 503; 3, 445

CFe₂
Diferracyclopropane
1, **491–505**, 504

CGeS
Thiagermirene
1, 1177

CGe₂
Digermirene
1, 1154

CIrP
Phosphiridacyclopropane
1, 493, 501

CIrSi
Siliridacyclopropane
1, 495

CMnN
Azamanganacyclopropane
1, 492, 500

CMnP
Phosphamanganacyclopropane
1, 493, 502

CMnPt
Platinamanganacyclopropane
1, 496



CMn₂
Dimanganacyclopropane
1, **491–505**

CMoP
Phosphamolybdacyclopropane
1, 493

CMoS
Thiamolybdacyclopropane
1, 495

CNbO
Oxaniobacyclopropane
1, 446

CNNi
Azanickelacyclopropane
1, 492, 493

CNO
Oxazirine
1, **365–413**, 416, 783, 932, 1001; **2**, 72; **4**,
76, 84, 218, 486, 537; **9**, 648

CNRe
Azarhenacyclopropane
1, 500

CNS
Thiazirine
1, **415–428**; **4**, 311, 445, 486, 706, 707

CNSE
Selenazirine
3, 483

CNV
Azavanadacyclopropane
1, 492

CNW
Azatungstacyclopropane
1, 492

CNZr
Azazirconacyclopropane
1, 493, 496, 500; **2**, 155

CN₂
3*H*-Diazirine
1, **347–364**, 416, 416, 963; **2**, 906; **3**, 56;
4, 508, 649; **8**, 402, 773; **9**, 146

COFe
Oxaferracyclopropane
1, 493

COOs
Oxosmacyclopropane
1, 493, 499

CORe
Oxarhenacyclopropane
1, 493

COS
Oxathiirene
1, 228, 417, **429–456**



- COTi
Oxatitanacyclopropane
1, 900, 493
- COV
Oxavanadacyclopropane
1, 493
- COW
Oxatungstacyclopropane
1, 493, 498
- COZr
Oxazirconacyclopropane
1, 493, 500
- CO₂
Dioxirane
1, 156, 157, 158, 159, 161, 162, 171, **429–456**
- COsP
Phosphosmacyclopropane
1, 501, 503
- COsS
Thiosmacyclopropane
1, 499, 503
- COsSe
Selenosmacyclopropane
1, 503
- COsTe
Tellurosmacyclopropane
1, 503
- COs₂
Diosmacyclopropane
1, 504
- CPPt
Phosphaplatinacyclopropane
1, 493, 854
- CPre
Phospharhenacyclopropane
1, 493, 498
- CPRu
Phospharuthenacyclopropane
1, 498, 501
- CPS
Thiaphosphirene
3, 712, 735
- CPSe
Selenaphosphirene
1, 462, 465, 467
- CPW
Phosphatungstacyclopropane
1, 493, 501
- CP₂
3*H*-Diphosphirene
1, 469–490
- CPdS
Thiapalladacyclopropane
1, 495, 503
- CPTW
Platinatungstacyclopropane
1, 496, 497, 500

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- CRh₂
Dirhodacyclopropane
1, 491–505



- CRuSi
Silaruthenacyclopropane
1, 495



- CSZr
Thiazirconacyclopropane
1, 494



- CS₂
Dithiirane
1, 228, 417, 417, **429–456**; **4**, 589



- CSW
Thiatungstacyclopropane
1, 495, 496, 497, 504



- CSeSi
Selenasilirene
1, 461, 464



- CSiW
Silatungstacyclopropane
1, 495



- CSi₂
Disilirene
1, 313, 1211; **3**, 807; **6**, 1141



- C₂As
2*H*-Arsirene
1, 277–304



- C₂B
1*H*-Borirene
1, 333–346



- C₂Fe
Ferracyclopropane
2, 940



- C₂Ge
1*H*-Germirene
1, 305–331, 1184



- C₂Hf
Hafnacyclopropane
2, 940



- C₂N
2*H*-Azirene
1, 1–60, 86, 200, 267, 278, 359, 363, 570, 964, 983, 999, 1003; **2**, 50, 154, 165, 581; **3**, 101, 191, 197, 202, 202, 211, 234, 241, 249, 339, 398, 441, 443, 448, 624; **4**, 57, 60, 60, 62, 63, 72, 141, 158, 278, 369, 390, 426; **4**, 481, 537, 649; **6**, 240, 431, 516; **6**, 566, 676, 904, 908, 923, 1010; **7**, 86; **8**, 158, 395, 400, 1152; **9**, 367, 699, 700, 774



- C₂O
Oxirene
1, 19, 34, 47, 48, 49, 50, 51, 16, **97–144**, **145–171**, 186, 205, 209, 212, 238, 257, 267, 268, 272, 273, 278, 295, 295, 297, 384, 391, 524, 524, 558, 565, 613, 613, 726, 732, 747, 797, 828, 830, 876, 999, 1063, 1067, 1078, 1085; **2**, 165, 352, 354, 359, 361, 363, 367, 368, 390, 552, 569, 655, 744, 754, 915; **3**, 108, 111, 214, 266, 312, 313, 406, 417, 434, 441, 338, 515, 517, 518, 532, 556, 560, 563, 802; **4**, 41, 137, 147, 247, 370, 525, 584, 593, 594, 644; **5**, 194, 392, 398, 474; **6**, 273, 332, 768, 845; **7**, 203; **8**, 63, 176, 269, 281, 306, 336, 358, 358, 530, 551, 801, 814, 825, 1127, 1160; **9**, 60, 61, 209, 218, 226, 274, 275, 284, 286, 370, 614, 678, 865, 867, 874, 911

C₂O

C₂P

C₂P

1*H*-Phosphirene

1, **277–304**, 278, 849, 865, 1172, 1173, 1173, 1186; **2**, 844, 849, 854; **6**, 1097

C₂S

Thiirene

1, 114, **173–240**, **241–258**, 264, 267, 268, 273, 278, 464, 797, 798, 1124, 1125; **2**, 466, 655, 655; **3**, 420, 574, 614; **4**, 279, 296, 388, 566, 589, 614; **9**, 107, 352, 785

C₂Se

Selenirene

1, **259–276**, 828; **3**, 497

C₂Si

1*H*-Silirene

1, **305–331**, 874, 884, 1184; **2**, 915

C₂Sn

1*H*-Stannirene

1, **305–331**

C₂Te

Tellurirene

1, **259–276**

C₂Ti

Titanacyclopropane

2, 940, 957

C₂V

Vanadacyclopropane

2, 958

C₂Zr

Zirconacyclopropane

2, 940, 961, 963, 964

GeSnTe

Telluragermstannirene

1, 464, 467

Ge₂N

Azadigermirene

1, 1154

Ge₂S

Thiadigermirene

1, 460, 463

Ge₂Se

Selenadigermirene

1, 460, 463, 466, 467

Ge₂Te

Telluradigermirene

1, 460, 462, 463

Ge₃

1*H*-Trigermirene

1, 460, 463

MnPS

Thiaphosphamanganocyclopropane

2, 653

N₂O

Oxadiazirine

1, 416, 417

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N₂P

3*H*-Diazaphosphirine

1, 416, 417



N₂S

Thiadiazirine

1, 416, 417



OSi₂

Oxadisilirene

1, **457–468**, 1080



O₂S

Thiodioxirane

1, 138



P₂Se

Selenaphosphorirane

1, 465



P₃

1*H*-Phosphirene

1, 1199



SSi₂

Thiadisilirene

1, **457–468**



SSn₂

Thiadistannirene

1, 460, 464



S₃

Trithirane

1, 789



SeSi₂

Selenadisilirene

1, **457–468**



SeSn₂

Selenadistannirene

1, 460, 461, 462, 464



SiTe₂

Telluradisilirene

1, **457–468**



Si₃

1*H*-Trisilirene

3, 813; **6**, 1131



Sn₂Te

Telluradistannirene

1, 460, 461, 462

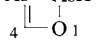
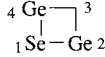
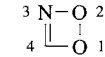
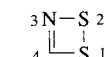
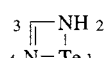
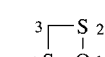
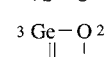
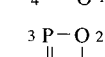
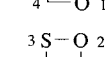
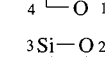
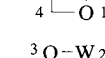
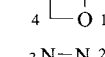
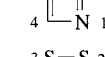
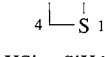
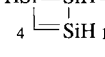
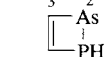
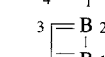
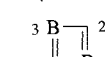
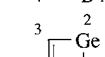
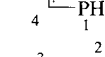
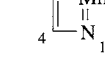
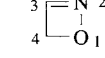
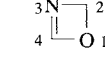


Sn₃

1*H*-Tristannirene

1, 464, 464



- CAs_2O
 1,3,2-Oxadiarsirane
 6, 1116
- CGe_2Se
 2*H*-1,2,4-Selenadigermete
 1, **1139–1155**
- CNO_2
 1,2,3-Dioxazete
 1, **1041–1082**
- CNS_2
 1,2,3-Dithiazete
 1, **1113–1138**
- CN_2Te
 2*H*-1,2,4-Telluradiazete
 1, **1139–1155**
- COS_2
 1,2,4-Oxadithietane
 1, **1113–1138**
- CO_2Ge
 1,2,3-Dioxagermete
 1, **1041–1082**
- CO_2P
 1,2,3-Dioxaphosphete
 1, **1041–1082**
- CO_2S
 1,2,3-Dioxathietane
 1, **1041–1082**; 9, 709
- CO_2Si
 1,2,3-Dioxasilete
 1, **1041–1082**
- CO_2W
 1,3-Oxa-2-tungstacyclobutane
 1, 498
- CN_3
 Triazete
 1, 931
- CS_3
 Trithietane
 1, **1113–1138**
- CSi_3
 1*H*-Trisilirene
 3, 813
- C_2AsP
 1,2-Phospharsete
 1, 294; 3, 737; 6, 1097
- C_2B_2
 1,2-Diborete
 1, **333–346**
 1,3-Diborete
 1, **333–346**
- C_2GeP
 1,2-Phosphagermete
 1, 293
- C_2MnN
 1-Aza-2-manganacyclobuta-1,3-diene
 3, 801
- C_2NO
 4*H*-1,2-Oxazete
 1, **969–1007**; 4, 99; 6, 841; 9, 302
 2*H*-1,3-Oxazete
 1, **969–1007**
- $^3\text{As}-\text{AsH}^2$

- $^4\text{Ge}-\text{Ge}^3$

- $^3\text{N}-\text{O}^2$

- $^3\text{N}-\text{S}^2$

- $^3\text{NH}^2$

- $^3\text{S}^2$

- $^3\text{Ge}-\text{O}^2$

- $^3\text{P}-\text{O}^2$

- $^3\text{S}-\text{O}^2$

- $^3\text{Si}-\text{O}^2$

- $^3\text{O}-\text{W}^2$

- $^3\text{N}-\text{N}^2$

- $^3\text{S}-\text{S}^2$

- $^3\text{HSi}=\text{SiH}^2$

- $^3\text{As}^2$

- $^3\text{B}^2$

- $^3\text{B}^2$

- $^3\text{Ge}^2$

- $^3\text{Mn}^2$

- $^3\text{N}^2$

- $^3\text{N}^2$

- $^3\text{N}^2$

- $^3\text{N}^2$

- C_2NS
 4*H*-1,2-Thiazete
 1, **1009–1039**, 1098; 6, 854; 7, 858
 4*H*-1,3-Thiazete
 1, **1009–1039**; 4, 470, 477, 768; 6, 624, 841; 9, 723
- C_2NSe
 2*H*-1,3-Selenazete
 1, **1139–1155**
- C_2N_2
 1,2-Diazete
 1, 77, **911–968**, 974; 3, 63; 6, 777; 8, 39, 67, 804
 1,3-Diazete
 1, **911–968**; 6, 555, 619, 624; 8, 739
- C_2OS
 1,3-Oxathietane
 1, **1083–1112**
 1,2-Oxathiete
 1, **1083–1112**
- C_2OSe
 1,3-Oxaselenetane
 1, **1139–1155**
- C_2OSi
 2*H*-1,2-Oxasilete
 1, 321, 321
- C_2O_2
 1,3-Dioxetane
 1, **1041–1082**
 1,2-Dioxete
 1, 209, 282, 974, 979, 993, 1006, **1041–1082**
- C_2PPd
 1-Phospha-2-palladacyclobuta-1,3-diene
 1, 293, 294
- C_2PPt
 1-Phospha-2-platinacyclobuta-1,3-diene
 1, 293, 294
- C_2PRh
 1-Phospha-2-rhodacyclobuta-1,3-diene
 1, 293
- C_2PS
 2*H*-1,2-Thiaphosphete
 1, 209
- C_2PSi
 1,2-Phosphasilete
 1, 293
- C_2P_2
 1,2-Diphosphete
 1, 294, 470, **1157–1174**; 3, 737; 4, 818
 1,3-Diphosphete
 1, 470, **1157–1174**; 4, 804; 9, 955
- C_2RhS
 2-Thia-3-rhodacyclobut-1-ene
 1, 211
- C_2SSi
 2*H*-1,2-Thiasilete
 1, 313, 313, 313; 4, 568
- C_2S_2
 1,3-Dithietane
 1, 234, **1113–1138**; 2, 646, 651, 652; 3, 64, 342, 343, 582, 603, 612, 647; 4, 530, 598, 602, 605, 615, 720, 724; 6, 816, 840
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1,2-Dithiete 1, 1113–1138 , 1147, 1148		C ₃ Pt 1-Platinacyclobuta-1,3-diene 1, 887–909 ; 2, 967	
C ₂ SeTe 1,3-Selenatellurethane 1, 1139–1155		C ₃ Re 1-Rhenacyclobuta-1,3-diene 1, 887–909	
C ₂ Se ₂ 1,2-Diselenete 1, 1139–1155 ; 6, 997 1,3-Diselenetane 1, 1139–1155		C ₃ Rh 1-Rhodacyclobuta-1,3-diene 1, 887–909	
C ₂ Si ₂ 1,2-Disilete 1, 318, 318, 327, 1175–1187 ; 2, 915; 3, 808; 6, 1142; 9, 1014, 1014 1,3-Disilete 1, 324, 1175–1187 ; 3, 799, 800, 805		C ₃ S 2H-Thiete 1, 198, 211, 211, 216, 218, 222, 234, 382, 451, 773–802 , 820; 2, 532, 540, 655, 705; 3, 365, 523, 589, 675; 5, 537, 570; 6, 475, 1106	
C ₂ Te ₂ 1,3-Ditellurethane 1, 1139–1155 ; 3, 703		C ₃ Sb Stibete 1, 833–866	
C ₃ As Arsete 1, 833–866		C ₃ Se 2H-Selenete 1, 823–831 ; 3, 675	
C ₃ B Borete 1, 887–909		C ₃ Si Silete 1, 311, 867–886 , 1175–1187 ; 2, 915, 915; 3, 807	
C ₃ Bi Bismuthete 1, 833–866		C ₃ Ta 1-Tantalacyclobuta-1,3-diene 1, 887–909	
C ₃ Co 1-Cobaltacyclobuta-1,3-diene 1, 887–909		C ₃ Te 2H-Tellurete 1, 823–831 , 860	
C ₃ Fe 1-Ferracyclobuta-1,3-diene 2, 940		C ₃ Ti 1-Titanacyclobuta-1,3-diene 1, 887–909 ; 2, 967	
C ₃ Ge Germete 1, 867–886 , 1, 1175–1187 ; 9, 1005		C ₃ W 1-Tungstacyclobuta-1,3-diene 1, 887–909	
C ₃ Ir 1-Iridacyclobuta-1,3-diene 1, 887–909		C ₃ Zr 1-Zirconacyclobuta-1,3-diene 1, 887–909	
C ₃ Mo 1-Molybdacyclobuta-1,3-diene 1, 887–909		Ge ₂ NSe 2H-1,2,4,3-Selenazadigermete 1, 1139–1155	
C ₃ N Azete 1, 20, 32, 39, 61–96 , 114, 372, 372, 507–590 , 602, 606, 607, 609, 610, 611, 612, 613, 614, 616, 617, 618, 619, 630, 631, 632, 633, 634, 640, 648, 650, 657, 686, 687, 688, 689, 691, 693, 696, 706, 707, 710, 711, 712, 716, 717, 819, 820, 849, 850, 979; 2, 619; 3, 211, 285, 350; 3, 365, 370, 802; 4, 152, 157, 672, 675; 5, 174; 6, 205, 344, 411, 421, 489, 489, 631, 684, 744, 841, 908; 8, 589, 805, 1127; 9, 34, 227, 398, 419, 536, 544, 604, 605, 607		Ge ₂ OSe 1,3,2,4-Oxaselenadigermetane 1, 467, 467	
C ₃ Ni 1-Nickelacyclobuta-1,3-diene 1, 319		Ge ₂ O ₂ 1,2,3,4-Dioxadigermete 1, 1041–1082	
C ₃ O 2H-Oxete 1, 111, 126, 564, 721–753 , 148; 2, 388, 425, 644, 655; 3, 532; 5, 175, 235, 330; 6, 327, 331, 662, 915, 1010; 8, 334, 674, 724; 9, 61		Ge ₂ S ₂ 1,3,2,4-Dithiadigermetane 1, 460	
C ₃ P Phosphete 1, 294, 488, 833–866 ; 3, 713; 5, 659; 8, 1160		Ge ₂ Se ₂ 1,3,2,4-Diselenadigermetane 1, 466, 466, 467	
C ₃ Pd 1-Palladacyclobuta-1,3-diene 1, 887–909		N ₂ O ₂ 1,2,3,4-Dioxadiazete 1, 1041–1082	
		N ₂ P ₂ 1,3,2,4-Diazadiphosphete 8, 879, 1165	
		N ₂ S ₂ 1,3,2,4-Dithiadiazete 1, 1113–1138	
		N ₂ Si ₂ 1,3,2,4-Diazadisiletane 1, 1178	
		N ₄ Tetraazete 1, 358	

O₂P₂
 1,2,3,4-Dioxadiphosphete
1, 1041–1082

O₂S₂
 1,2,3,4-Dioxadithietane
1, 1041–1082

O₂Si₂
 1,2,3,4-Dioxadisilete
1, 1041–1082

O₃P
 Trioxaphosphetane
1, 1076

P₂S₂
 1,3,2,4-Dithiadiphosphetane
2, 636, 642; 8, 857

$\begin{array}{c} {}^3\text{P}-\text{O}^2 \\ || \quad | \\ {}^4\text{P}-\text{O}^1 \end{array}$ P₂Si₂
 1,3,2,4-Disiladiphosphetane
1, 1178; 4, 477

$\begin{array}{c} {}^3\text{S}-\text{O}^2 \\ | \quad | \\ {}^4\text{S}-\text{O}^1 \end{array}$ S₂Si₂
 1,3,2,4-Dithiadisiletane
1, 1179

$\begin{array}{c} {}^3\text{HSi}-\text{O}^2 \\ || \quad | \\ {}^4\text{HSi}-\text{O}^1 \end{array}$ S₂Sn₂
 1,2,3,4-Dithiadistannirene
1, 464

$\begin{array}{c} {}^3\text{O}-\text{O}^2 \\ | \quad | \\ {}^4\text{HP}-\text{O}^1 \end{array}$ Se₂Sn₂
 1,3,2,4-Diselenadistannetane
1, 464

$\begin{array}{c} {}^3\text{S}-\text{PH}^2 \\ | \quad | \\ {}^4\text{HP}-\text{S}^1 \end{array}$ Sn₂Te₂
 1,3,2,4-Ditelluradistannetane
1, 464, 467

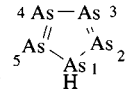
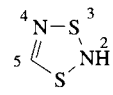
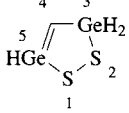
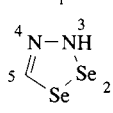
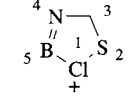
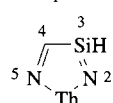
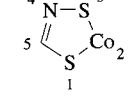
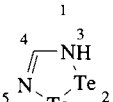
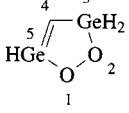
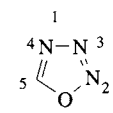
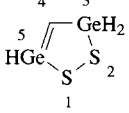
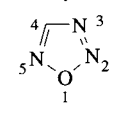
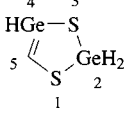
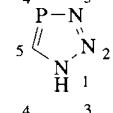
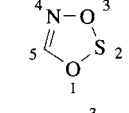
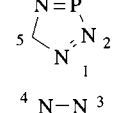
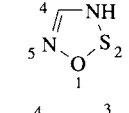
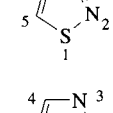
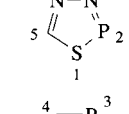
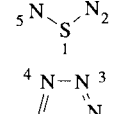
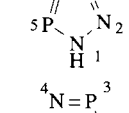
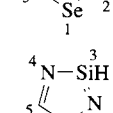
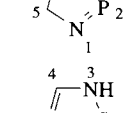
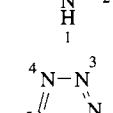
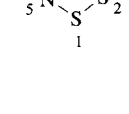
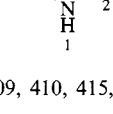
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$\begin{array}{c} {}^3\text{S}-\text{SiH}^2 \\ | \quad | \\ {}^4\text{H}_2\text{Si}-\text{S}^1 \end{array}$

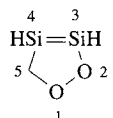
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$\begin{array}{c} {}^3\text{Se}-\text{Sn}^2 \\ | \quad | \\ {}^4\text{Sn}-\text{Se}^1 \end{array}$

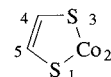
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As ₅ 1 <i>H</i> -Pentarsole 4, 819–827		1,3,2,4-Dithiadiazolidene 4, 706	
CGe ₂ S ₂ 1,2,3,5-Dithiadigermolane 6, 1133		CN ₂ Se ₂ 3 <i>H</i> -1,2,3,4-Diselenadiazole 4, 743–770	
CCIBNS 3 <i>H</i> -1,2,4,5-Chlorathiazaborol-1-ium 4, 471		CN ₂ SiTh 1,3-Diaza-4-sila-2-thoracyclopenta-2,4-diene 1, 1199	
CCoNS ₂ 1,3,4,2-Dithiazacobaltole 4, 462		CN ₂ Te ₂ 3 <i>H</i> -1,2,3,5-Ditelluradiazole 4, 743–770	
CGe ₂ O ₂ 1,2,3,5-Dioxadigermolane 1, 1212		CN ₃ O 1,2,3,4-Oxatriazole 4, 679–690; 4, 725	
CGe ₂ S ₂ 1,2,3,5-Dithiadigermolane 1, 1212		1,2,3,5-Oxatriazole 4, 679–690	
1,3,2,4-Dithiadigermolane 1, 1180		CN ₃ P 1 <i>H</i> -1,2,3,4-Triazaphosphole 4, 771–818	
CNO ₂ S 1,3,2,4-Dioxathiazole 4, 241		5 <i>H</i> -1,2,4,3-Triazaphosphole 8, 873, 1150, 1158	
CN ₂ OS 3 <i>H</i> -1,2,3,5-Oxathiadiazole 6, 568		CN ₃ S 1,2,3,4-Thiadiazole 1, 421, 423, 424, 1026; 4, 308, 348, 349, 366, 458, 478, 479, 480, 487, 532, 615, 671, 684, 691–731, 740; 8, 854	
CN ₂ PS 1,3,4,2-Thiadiazaphosphole 4, 771–818		1,2,3,5-Thiadiazole 4, 658, 733–742	
CN ₂ P ₂ 1 <i>H</i> -1,2,3,5-Diazadiphosphole 4, 771–818		CN ₃ Se 1,2,3,4-Selenatriazole 4, 756	
5 <i>H</i> -1,4,2,3-Diazadiphosphole 8, 1151		CN ₃ Si 1 <i>H</i> -1,2,4,3-Triazasilole 4, 740	
CN ₂ S ₂ 1,2,3,5-Dithiadiazolidene 6, 973; 9, 729		CN ₄ 1 <i>H</i> -Tetrazole 1, 30, 58, 349, 363; 2, 220, 685, 688; 3, 214, 283; 4, 32, 116, 157, 162, 189, 284, 304, 344, 405, 406, 621–678, 684, 713, 812; 6, 276, 277, 923, 962, 962; 7, 296, 628, 665; 8, 196, 197, 198, 224, 235, 409, 410, 415, 432, 436, 469, 476, 503, 825; 9, 316, 354	

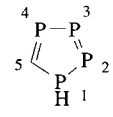
CO₂Si₂
3*H*-1,2,3,4-Dioxadisilole
1, 1211



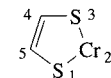
C₂CoS₂
1,3,2-Dithiacobaltole
1, 1131



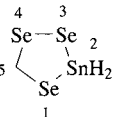
CP₄
1*H*-Tetraphosphole
4, 771–818



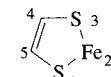
C₂CrS₂
1,3,2-Dithiachromole
1, 1131



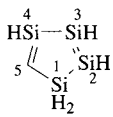
CSe₃Sn
1,3,4,2-Triselenastannolane
1, 1152



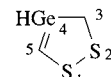
C₂FeS₂
1,3,2-Dithiaferrole
1, 1131



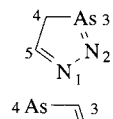
CSi₄
1*H*-Tetrasilole
7, 522; 9, 1011



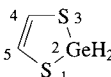
C₂GeS₂
1,2,4-Dithiagermolane
1, 1187



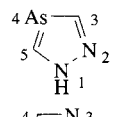
C₂AsN₂
2*H*-1,2,3-Diarsole
1, 303, 303, 4, 819–827; 8, 882



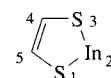
1,3,2-Dithiagermole
1, 207, 209; 4, 573



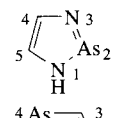
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1, 304; 4, 819–827



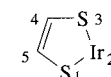
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1,3,2-Dithiindole
1, 1131



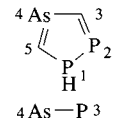
1,3,2-Diarsole
6, 1085



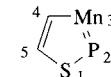
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1,3,2-Dithiiridole
1, 1131



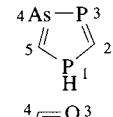
C₂AsP₂
1*H*-1,2,4-Diphospharsole
4, 819–827



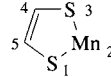
C₂MnPS
1-Thia-2-phospha-3-manganocyclopenta-
2,4-diene
2, 653



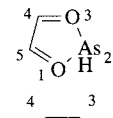
1*H*-1,3,4-Diazarsole
4, 819–827



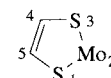
C₂MnS₂
1,3,2-Dithiamanganole
1, 1131



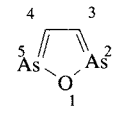
C₂AsO₂
1,3,2-Dioxarsole
1, 1063



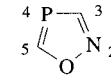
C₂MoS₂
1,3,2-Dithiamolybdole
1, 1131



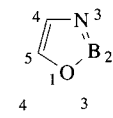
C₂As₂O
1,2,5-Oxadiazarsole
9, 978



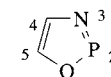
C₂NOP
1,2,4-Oxazaphosphole
4, 771–818



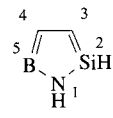
C₂BNO
1,3,2-Oxazaborole
1, 64



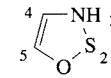
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1, 390; 4, 771–818



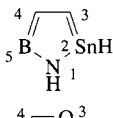
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1*H*-1,2,5-Azasilaborole
9, 1016



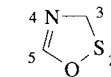
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3*H*-1,2,3-Oxathiazole
4, 409–432



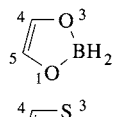
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3, 773, 774



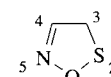
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4, 453–489, 712; 6, 610



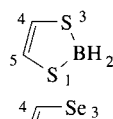
C₂BO₂
1,3,2-Dioxaborole
7, 819; 8, 893, 923, 924, 929



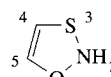
3*H*-1,2,5-Oxathiazole
4, 409–432; 8, 858



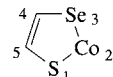
C₂BS₂
1,3,2-Dithiaborole
3, 646, 647



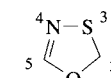
1,3,2-Oxathiazole
1, 422, 424; 3, 356, 366; 4, 433–452, 503,
786; 9, 196



C₂CoSSe
1,3,2-Thiaselenacobaltole
3, 689



1,3,4-Oxathiazole
3, 366, 366, 712; 4, 343, 491–543; 4, 786;
6, 853



C₂NOSe

1,4,2-Oxathiazole
4, 491–543

C₂NOSe
1,3,5-Oxaselenazole
4, 763

C₂NOTe
1,3,5-Oxatellurazole
4, 763

C₂NO₂
3*H*-1,2,3-Dioxazole
8, 434

3*H*-1,2,4-Dioxazole
4, 453–489, 594

1,3,2-Dioxazole
4, 433–452

1,4,2-Dioxazole
4, 491–543

C₂NPS
1,2,4-Thiazaphosphole
4, 445, 771–818

1,3,2-Thiazaphosphole
4, 771–818

1,3,5-Thiazaphosphole
4, 771–818

C₂NPSe
1,3,5-Selenazaphosphole
4, 771–818

C₂NP₂
1*H*-1,2,3-Azadiphosphole
3, 738; 4, 771–818

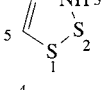
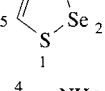
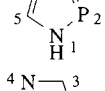
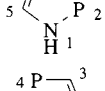
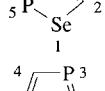
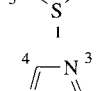
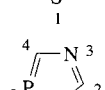
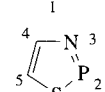
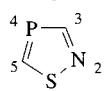
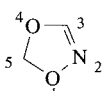
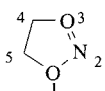
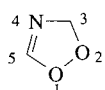
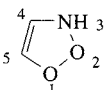
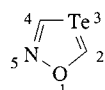
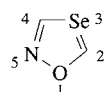
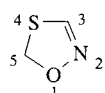
1*H*-1,2,4-Azadiphosphole
4, 771–818

C₂NSSe
3*H*-1,2,4-Thiaselenazole
1, 1019; 4, 747, 760, 768

C₂NS₂
3*H*-1,2,3-Dithiazole
3, 366; 4, 323, 409–432

3*H*-1,2,4-Dithiazole
1, 423, 1019, 1026, 1037; 3, 561, 648; 4, 345, 346, 347, 453–489, 524, 706, 709, 716, 717; 6, 610, 793; 8, 818, 983; 8, 856

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1,3,2-Dithiazole
4, 433–452

1,4,2-Dithiazole
1, 424; 3, 366; 4, 406, 491–543

C₂NSTe
3*H*-1,2,4-Thiatellurazole
4, 768

C₂NSe₂
3*H*-1,2,4-Diselenazole
4, 756, 767, 768; 6, 1008

C₂NSi₂
1,2,5-Azadisilole
6, 1131

1,2,3-Azadisilole
9, 1015

C₂N₂O
1,2,3-Oxadiazole
1, 372; 4, 179–228, 187, 208, 213, 248, 785; 8, 433, 435; 9, 130

1,2,4-Oxadiazole
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1, 443; 3, 239, 242; 4, 229–265, 345, 347; 6, 273; 7, 100, 158, 160, 499, 507; 7, 507, 522

1,3,4-Oxadiazole
1, 356, 359, 938, 939; 3, 215; 4, 158, 190, 191, 267–287, 640, 720, 766, 766; 5, 374; 6, 566, 624, 771, 777, 949, 951; 8, 178, 185, 212, 218, 219, 220, 404, 424, 434, 463, 809

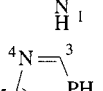
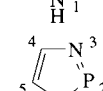
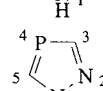
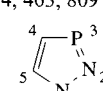
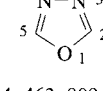
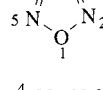
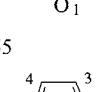
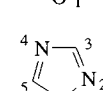
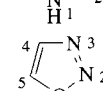
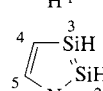
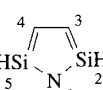
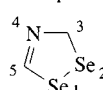
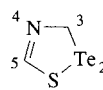
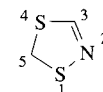
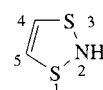
C₂N₂P
1*H*-1,2,3-Diazaphosphole
1, 302; 3, 709–714; 4, 289–305, 771–818; 8, 871, 885, 1160, 1161

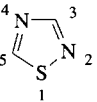
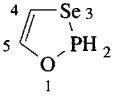
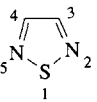
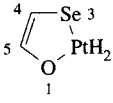
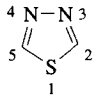
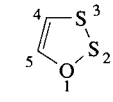
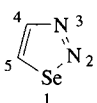
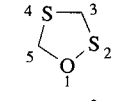
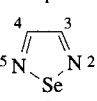
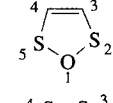
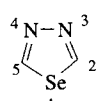
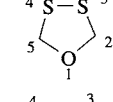
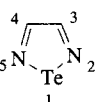
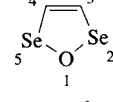
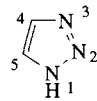
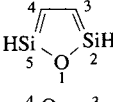
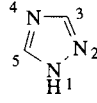
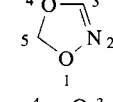
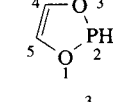
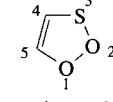
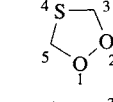
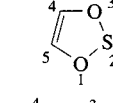
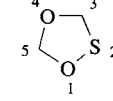
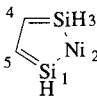
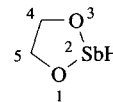
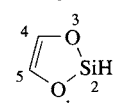
1*H*-1,2,4-Diazaphosphole
1, 298; 4, 188, 276, 297, 771–818; 6, 1114

1*H*-1,3,2-Diazaphosphole
3, 711; 4, 771–818; 7, 126; 8, 872

2*H*-1,4,2-Diazaphosphole
6, 788

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1, 197, 197, 197, 234, 237, 265; 3, 354, 356, 366, 641, 676, 706; 4, 32, 116, 402, 391, 618, 729; 7, 100, 103, 105; 8, 812, 819, 857



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1,2,5-Selenadiazole 4, 743–770 , 765; 7, 392, 499		1,2,5-Oxadithiole 4, 545–580	
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		1,2,4-Dioxathiolane 1, 205; 4, 581–620	
		1,3,2-Dioxathiole 1, 49, 1066; 3, 208; 4, 545–580	
		1,4,2-Dioxathiolane 4, 581–620	
		C ₂ O ₂ Sb 1,3,2-Dioxastibole 1, 1063	
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		C ₂ O ₃ 1,2,4-Trioxolane 3, 521; 4, 556, 581–620	

C₂PS₂

1,2,3-Trioxole
1, 71, 86; **4, 545–580**; **8, 880**

C₂PS₂

1,3,2-Dithiaphosphole
4, 771–818

C₂PSe₂

1,3,2-Diselenaphosphole
4, 771–818

C₂PdS₂

1,3,2-Dithiapalladole
1, 1131

C₂P₂S

1,2,4-Thiadiphosphole
4, 771–818

1,2,5-Thiadiphosphole
4, 771–818; **8, 880, 888**

C₂P₂Si

1,2,4-Siladiphosphole
1, 1178

1,2,5-Siladiphosphole
4, 818

C₂P₃

1*H*-1,2,3-Triphosphole
4, 771–818

1*H*-1,2,4-Triphosphole
3, 738; **4, 771–818**

C₂RhS₂

1,3,2-Dithiarhodole
1, 1131

C₂RuS₂

1,3,2-Dithiaruthenole
1, 1131

C₂S₂Si

3*H*-1,2,3-Dithiasilole
1, 313, 1184

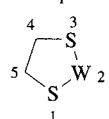
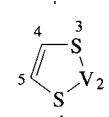
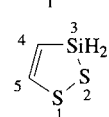
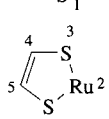
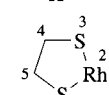
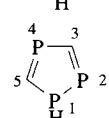
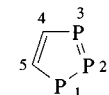
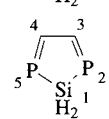
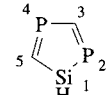
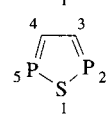
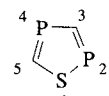
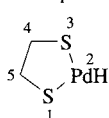
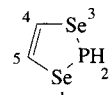
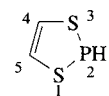
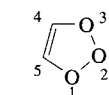
C₂S₂V

1,3,2-Dithiavanadole
1, 1131

C₂S₂W

1,3,2-Dithiatungstole
1, 1131

Ring Index (5)



C₂S₃

1,2,4-Trithiolane
1, 450; **2, 233**; **4, 581–620, 720**; **5, 611**;
9, 399, 388

1,2,3-Trithiole
3, 589, 601; **4, 545–580**

C₂Se₂Si

3*H*-1,2,3-Diselenasilole
1, 313

C₂Se₃

1,2,4-Triselenolane
4, 747

C₃AsN

1*H*-1,3-Azarsole
3, 716

C₃AsP

1*H*-1,3-Phospharsole
3, 716, 737

C₃BN

1*H*-1,2-Azaborole
3, 739–766

C₃BO

1,2-Oxaborole
2, 927; **3, 739–766**

C₃BP

1*H*-1,2-Phosphaborole
3, 739–766

1*H*-1,3-Phosphaborole
3, 767–782

C₃BS

1,2-Thiaborole
3, 739–766

C₃BSi

1*H*-1,3-Silaborole
3, 767–782, 795–816

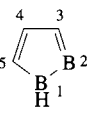
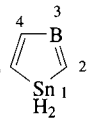
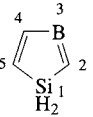
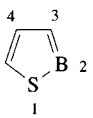
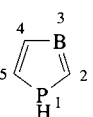
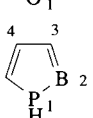
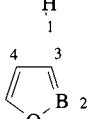
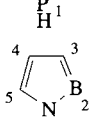
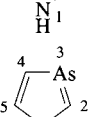
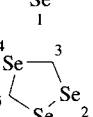
C₃BSn

1*H*-1,3-Stannaborole
3, 767–782

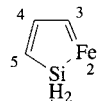
C₃B₂

1*H*-1,2-Diborole
3, 739–766

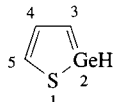
1*H*-1,3-Diborole
3, 767–782



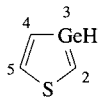
C₃FeSi
1-Sila-2-ferracyclopenta-2,4-diene
1, 877



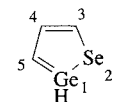
C₃GeS
4*H*-1,2-Thiagermole
1, 207, 877



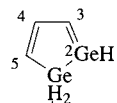
1,3-Thiagermole
1, 1180



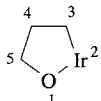
C₃GeSe
4*H*-1,2-Selenagermole
1, 877



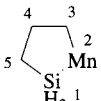
C₃Ge₂
1*H*-1,2-Digermole
1, 874



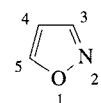
C₃IrO
1,2-Oxiridole
1, 735



C₃MnSi
1-Sila-2-manganacyclopenta-2,4-diene
1, 877

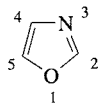


C₃NO
Isoxazole
1, 16, 18, 57, 110, 125, 409, 443, 533, 547, 547, 568, 571, 580, 654, 716, 789, 972; 2, 191, 353, 479; 3, 65, 101, 189, 215, 265, 282, 307, 455, 482, 335, 340, 342, 602, 602; 4, 186, 208, 209, 216, 237, 244, 256, 259, 262, 264, 345, 348, 387, 389, 398, 427, 443, 510; 5, 186, 233; 6, 266, 275, 335, 339, 343, 394, 549, 689, 670, 749; 7, 76, 78, 79, 83, 84, 86, 133, 133, 135, 137, 152; 7, 157, 293, 329, 330, 470, 473, 506, 507; 8, 36, 55, 57; 8, 63, 64; 8, 260, 341, 458, 959, 962; 9, 36, 173, 262, 302, 700

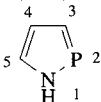


Oxazole

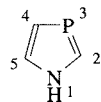
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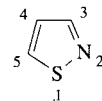
C₃NP
1*H*-1,2-Azaphosphole
3, 709-714



1*H*-1,3-Azaphosphole
5, 648; 8, 866, 873

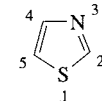


C₃NS
Isothiazole
2, 663, 712, 949; 3, 44, 455, 482, 319-372, 536, 579, 581, 586, 587, 594, 602, 604, 642; 4, 63, 303, 427, 429, 509, 513, 524, 658, 701; 6, 412, 836; 7, 50, 72, 120, 130, 134, 134, 135, 135, 162, 278, 335, 335, 335, 336, 473, 508, 865; 8, 850, 957; 9, 397, 700

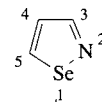


Thiazole

1, 113, 211, 214, 221, 421, 423, 541, 627, 647, 648, 650, 651, 651, 652, 630, 640, 717, 815, 1019, 1025, 1062; 2, 403, 423, 80, 220, 225, 229, 235, 236, 551, 596, 661, 662, 685; 3, 119, 205, 216, 271, 315, 373-474, 477, 480, 486, 335, 345, 608, 731; 4, 155, 223, 302, 315, 319, 343, 391, 406, 445, 462, 467, 471, 524, 708, 706, 790, 811; 5, 234, 474, 480, 486; 6, 411, 685, 693, 669, 746, 747, 750, 765, 772, 778, 1014; 7, 75, 129, 130, 132, 134, 136, 137, 323, 332, 342, 469, 470, 472, 508, 510; 8, 128, 68, 69, 70, 72, 73, 74, 76, 86, 136, 138, 145, 146, 152, 153, 154, 155, 156, 160, 162, 165, 166, 167, 169, 170, 172, 173, 175, 184, 280, 282, 283, 284, 336, 340, 447, 458, 460, 461, 463, 497, 951, 956, 962, 1005; 9, 225, 322, 358, 512, 700, 800

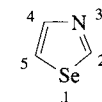


C₃NSe
Isoselenazole
3, 475-492, 493-510, 659-677

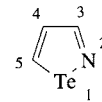


Selenazole

1, 1175-11876; 6, 1008; 7, 75; 8, 170

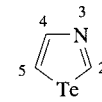


C₃NTe
Isotellurazole
3, 659-677

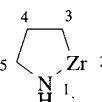


Tellurazole

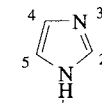
1, 1175-1187

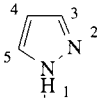
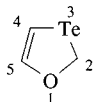
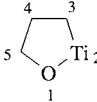
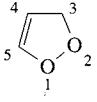
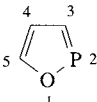
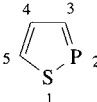
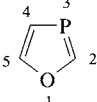
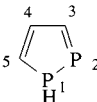
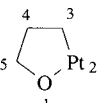
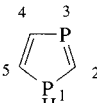
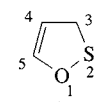
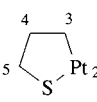
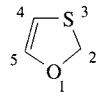
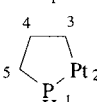
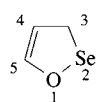
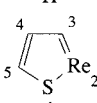
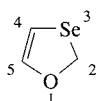
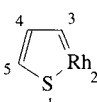
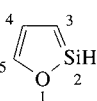
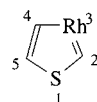
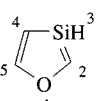
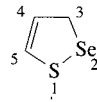
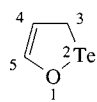
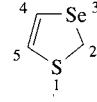


C₃NZr
1-Aza-2-zirconacyclopenta-2,4-diene
3, 366



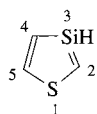
C₃N₂
1*H*-Imidazole
1, 18, 18, 20, 22, 29, 33, 86, 254, 372, 519, 533, 535, 549, 552, 564, 654, 788, 788, 943, 944, 947, 949, 988, 996, 1007, 1072; 2, 396, 424, 425, 428, 429, 45, 68, 220, 223, 240; 241, 242, 243, 244, 512, 623, 683, 685, 686, 687, 691, 837; 3, 77-220, 229, 253, 608; 4, 72, 73, 75, 86, 93, 117, 136, 189, 207, 263, 278, 390, 399, 404, 426, 427, 526, 631, 639, 672, 739, 741; 5, 41, 108, 201, 235, 474, 543, 666; 6, 88, 149, 243, 254, 402, 523, 539, 547, 566, 593, 597, 684, 685, 686, 688, 689, 743, 763, 912, 928; 7, 72, 74, 86, 123, 129, 131, 132, 134, 138, 300, 317, 319, 320, 322, 407, 409, 412, 414, 415, 419, 420, 421, 422, 412, 462, 470, 472, 473, 503, 783, 829, 927, 610; 8, 35, 36, 36, 37, 38, 39, 44, 46, 62, 137, 144, 145, 146, 161, 162, 168, 169, 171, 174, 175, 180, 181, 194, 234, 270, 271, 272, 311, 340, 350, 352, 355, 356, 358, 360, 361, 364, 451, 457, 458, 459, 461, 463, 494, 496, 497, 530, 718, 723; 9, 144, 316, 322, 334, 335, 358, 363, 366, 369, 504, 691, 696, 725



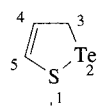
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C ₃ OTi 1-Oxa-2-titanacyclopenta-2,4-diene 1, 899		C ₃ O ₂ 3 <i>H</i> -1,2-Dioxole 1, 743, 746; 3, 511-524 ; 4, 594, 601, 606; 7, 340; 8, 72; 9, 283	
		1,3-Dioxole 1, 24, 39, 143, 440, 560, 565, 613, 790, 784, 1039, 1065, 1066; 2, 124, 190, 326, 327, 332, 335, 349, 358, 365, 433, 54, 232; 3, 64, 192, 294, 312, 314, 468, 517, 525-567 , 647; 4, 161, 180, 283; 5, 22, 84, 169, 184, 185, 395; 6, 273, 777, 925; 7, 79, 79, 134, 264, 457, 672, 668; 8, 271; 9, 132, 257, 278, 542, 576, 576, 577, 678, 698, 761, 774, 1015	
C ₃ OP 1,2-Oxaphosphole 1, 393, 857, 865; 9, 243		C ₃ PS 1,2-Thiaphosphole 3, 709-714 ; 6, 641	
1,3-Oxaphosphole 1, 294; 8, 879		C ₃ P ₂ 1 <i>H</i> -1,2-Diphosphole 3, 709-714 ; 8, 870	
C ₃ OPt 1-Oxa-2-platinacyclopenta-2,4-diene 1, 735		1,3-Diphosphole 1, 1169; 4, 814, 817	
C ₃ OS 3 <i>H</i> -1,2-Oxathiole 1, 13, 451, 1094, 1098; 3, 352, 511-524 ; 7, 46		C ₃ PtS 1-Thia-2-platinacyclopenta-2,4-diene 1, 900	
1,3-Oxathiole 1, 789; 2, 365; 3, 525-567 , 647; 4, 461, 465, 614; 6, 477, 479, 779; 7, 46, 866; 9, 260		C ₃ PPt 1-Phospha-2-platinacyclopenta-2,4-diene 1, 854	
C ₃ OSe 3 <i>H</i> -1,2-Oxaselenole 3, 659-677		C ₃ ReS 1-Thia-2-rhenacyclopenta-2,4-diene 1, 791	
1,3-Oxaselenole 1, 1175-11876		C ₃ RhS 1-Thia-2-rhodacyclopenta-2,4-diene 1, 211	
C ₃ OSi 1,2-Oxasilole 1, 313		1-Thia-3-rhodacyclopenta-2,4-diene 1, 211	
1,3-Oxasilole 3, 795-816		C ₃ SSe 3 <i>H</i> -1,2-Thiaselenole 3, 659-677	
C ₃ OTe 3 <i>H</i> -1,2-Oxatellurole 3, 659-677		1,3-Thiaselenole 1, 271, 1151, 1175-1187 ; 6, 1017	

C₃SSi

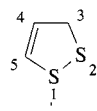
1,3-Thiasilole
3, **795–816**

C₃STe

3*H*-1,2-Thiatellurole
1, 792, 3, **659–677**

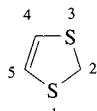
C₃S₂

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1, 449, 782, 799; 3, 342, 345, 345, **569–605**, 613, 641; 4, 334, 457, 466, 487, 498, 597; 5, 608; 6, 429, 477; 7, 121, 130, 136, 137, 137; 8, 315, 851, 857, 958; 9, 261, 290, 293, 392

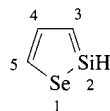


1,3-Dithiole

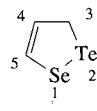
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C₃SeSi

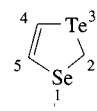
1,2-Selenasilole
1, 1184

C₃SeTe

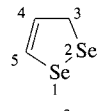
3*H*-1,2-Selenatellurole
1, 828, 3, **659–677**



1,3-Selenatellurole
1, **1175–1187**

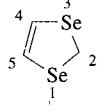
C₃Se₂

3*H*-1,2-Diselenole
1, 828; 3, **659–677**; 6, 1008; 8, 858; 9, 944

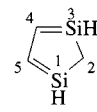


1,3-Diselenole

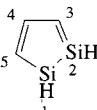
1, 1151, **1175–1187**; 4, 761; 9, 937

C₃Si₂

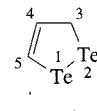
2*H*-1,3-Disilole
1, 319, 320



3*H*-1,2-Disilole
1, 201

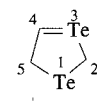
C₃Te₂

3*H*-1,2-Ditellurole
3, **659–677**

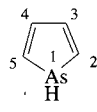


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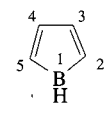
1, **1175–1187**; 3, 674; 6, 998

C₄As

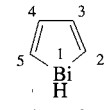
1*H*-Arsole
2, **857–902**; 5, 681

C₄B

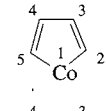
1*H*-Borole
1, 338, 342; 2, **919–932**; 8, 930, 930; 9, 1030

C₄Bi

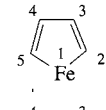
1*H*-Bismole
2, **857–902**

C₄Co

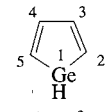
1-Cobaltacyclopenta-2,4-diene
2, **933–967**

C₄Fe

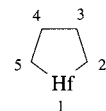
1-Ferracyclopenta-2,4-diene
2, 833

C₄Ge

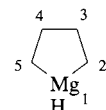
1*H*-Germole
1, 466, 874, 876, 1180; 2, **903–918**, **933–967**

C₄Hf

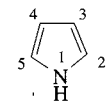
1-Hafnacyclopenta-2,4-diene
2, **933–967**

C₄Mg

1-Magnesiumcyclopenta-2,4-diene
2, 891

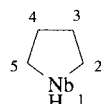
C₄N

1*H*-Pyrrole
1, 10, 11, 15, 16, 18, 19, 24, 26, 29, 32, 81, 82, 83, 80, 86, 103, 143, 201, 214, 237, 250, 254, 323, 331, 355, 372, 390, 397, 401, 402, 409, 422, 441, 515, 519, 520, 548, 555, 570, 586, 577, 609, 613, 689, 693, 694, 697, 716, 784, 791, 815, 856; 2, **1–38**, **39–117**, **119–206**, **207–257**, 307, 332, 364, 407, 425, 425, 429, 438, 441, 444, 446, 451, 452, 463, 466, 471, 472, 473, 474, 477, 479, 480, 485, 486, 568, 534, 649, 668, 675, 692, 712, 761, 779, 786, 788, 792, 802, 809, 813, 832, 853, 853, 870, 877, 912, 946; 3, 22, 39, 79, 80, 89, 92, 94, 119, 225, 236, 239, 239, 252, 258, 277, 282, 285, 286, 303, 305, 457, 340, 357, 368, 565, 565, 567, 580, 628; 4, 63, 67, 72, 86, 88, 89, 92, 95, 107, 142, 151, 154, 189, 190, 205, 251, 301, 527; 5, 152, 163, 163, 170, 176, 210, 214, 230, 230, 231, 242, 317, 344, 442, 449, 479, 483, 476, 537, 562, 567, 652; 6, 17, 24, 37, 69, 79, 137, 149, 190, 213, 270, 240, 241, 242, 243, 254, 255, 269, 272, 315, 316, 324, 340, 397, 400, 405, 442, 488, 498, 596, 611, 686, 688, 740, 755, 756, 770, 799, 908, 926, 929; 7, 13, 21, 24, 29, 43, 50, 66, 67, 70, 81, 83, 84, 100, 107, 110, 111, 208, 234, 242, 246, 247, 250, 251, 252, 254, 255, 256, 270, 271, 272, 273, 275, 352, 358, 359, 360, 370, 457, 503, 740, 850, 851, 853, 854, 858, 859, 869, 870, 873, 927, 939, 576, 606; 8, 31, 7, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 36, 37, 38, 43, 44, 45, 46, 47, 49, 50, 51, 52, 54, 55, 56, 57, 58, 60, 61, 62, 63, 64, 67, 69, 71, 72, 73, 74, 77, 84, 85, 87, 88, 89, 90, 91, 152, 194, 244, 245, 246, 247, 290, 293, 298, 305, 306, 307, 308, 309, 310, 313, 318, 319, 320, 321, 322, 323, 325, 327, 328, 333, 334, 335, 336, 337, 338, 340, 359, 392, 393, 394, 396, 397, 399, 400, 401, 402, 404, 560, 592, 620, 725, 785, 793, 945, 949, 949, 950, 950, 952, 963, 964, 998, 1007, 1014, 1037, 1038, 1051, 1052, 1054, 1111, 1117, 1118, 1119, 1121, 1126, 1127, 1128, 1150; 9, 13, 37, 129, 134, 159, 175, 222, 328, 344, 382, 419, 455, 502, 605, 692, 719, 757, 781, 781, 782, 785, 798

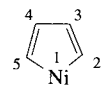


C₄Nb

C₄Nb
1-Niobacyclopenta-2,4-diene
2, 933–967

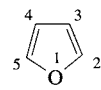


C₄Ni
1-Nickelacyclopenta-2,4-diene
2, 933–967

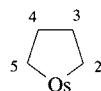
C₄O

Furan

1, 35, 43, 103, 115, 117, 123, 125, 128, 133, 134, 138, 150, 151, 159, 220, 253, 254, 256, 268, 270, 274, 311, 313, 314, 376, 391, 401, 408, 445, 513, 515, 534, 547, 579, 607, 613, 727, 732, 736, 737, 738, 741, 742, 744, 747, 748, 751, 781, 782, 785, 788, 796, 795, 886, 1074, 1099; **2**, 37, 38, 59, 66, 98, 138, 141, 149, 161, 187, 192, 206, 227, 229, 235, 251, **297–350**, **351–393**, **395–436**, 438, 441, 446, 451, 463, 466, 471, 472, 473, 476, 477, 478, 479, 480, 485, 497, 504, 532, 635, 635, 641, 646, 649, 655, 675, 692, 694, 702, 705, 712, 716, 722, 742, 751, 752, 753, 762, 787, 789, 801, 813, 886, 897, 899, 912, 920, 922, 928, 941; **3**, 14, 48, 53, 108, 110, 111, 118, 119, 120, 122, 136, 149, 152, 164, 177, 210, 215, 225, 236, 245, 253, 280, 288, 292, 393, 405, 410, 412, 425, 457, 458, 480, 515, 532, 535, 542, 588, 620, 623, 688, 694, 750; **4**, 52, 57, 70, 76, 77, 83, 84, 89, 102, 113, 147, 151, 154, 160, 162, 211, 273, 333, 349, 365, 462, 525, 563, 593, 596, 602, 603, 613, 672, 760; **5**, 78, 86, 150, 169, 230, 234, 410, 416, 438, 446, 472, 476, 483, 485, 486, 488, 492, 498, 587, 606, 675, 665, 666; **6**, 61, 68, 80, 117, 149, 149, 185, 205, **233–278**, 272, 275, 256, 315, 324, 324, 330, 331, 334, 338, 340, 421, 436, 516, 571, 455, 459, 459, 465, 466, 468, 633, 653, 658, 670, 755, 757, 777, 858, 915, 995; **7**, 13, 35, 36, 37, 38, 39, 44, 46, 50, 66, 67, 79, 81, 83, 84, 94, 95, 100, 102, 103, 106, 209, 214, 216, 217, 219, 233, 243, 246, 257, 258, 259, 261, 262, 263, 271, 273, 275, 276, 298, 319, 320, 352, 356, 358, 359, 360, 371, 390, 457, 466, 467, 557, 693, 721, 740, 850, 851, 854, 858, 859, 868, 869, 927, 927, 939; **8**, 72, 84, 205, 244, 265, 330, 350, 358, 416, 477, 484, 508, 511, 527, 573, 648, 653, 803, 805, 893, 909, 917, 944, 945, 949; 955, 961, 962, 963, 964, 1039, 1121, 1154; **9**, 55, 60, 61, 62, 105, 175, 202, 241, 255, 258, 311, 383, 415, 430, 577, 686, 689, 782; , 886, 919, 935, 938

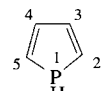


C₄Os
1-Osmacyclopenta-2,4-diene
2, 933–967

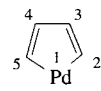
C₄P

1H-Phosphole

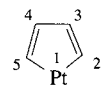
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C₄Pd

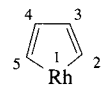
1-Palladacyclopenta-2,4-diene
2, 933–967

C₄Pt

1-Platinacyclopenta-2,4-diene
1, 900; **2, 933–967**

C₄Rh

1-Rhenacyclopenta-2,4-diene
2, 933–967

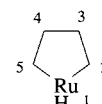


Ring Index (5)

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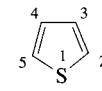
C₄Ru

1-Ruthenacyclopenta-2,4-diene
2, 933–967

C₄S

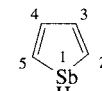
Thiophene

1, 56, 197, 198, 201, 205, 209, 219, 221, 250, 253, 254, 444, 782, 789, 791, 799, 799, 800, 810, 1074, 1131; **2**, 37, 414, 424, **437–490**, 231, **491–605**, **607–677**, **679–729**, 752, 763, 766, 779, 781, 786, 787, 912; **3**, 29, 119, 122, 175, 245, 258, 342, 342, 345, 366, 376, 489, 491, 576, 578, 581, 587, 613, 622, 623, 704, 806; **4**, 39, 111, 134, 251, 262, 263, 388, 395, 427, 790; **5**, 476, 541, 590, 592, 608, 665; **6**, 74, 140, 142, 147, 149, 197, 343, 455, 455, 455, 456, 472, 605; **7**, 13, 19, 24, 32, 35, 37, 38, 40, 42, 44, 50, 53, 54, 56, 62, 65, 66, 67, 68, 69, 70, 80, 85, 87, 102, 103, 104, 105, 112, 209, 217, 265, 266, 267, 268, 269, 276, 277, 279, 280, 355, 357, 358, 358, 851, 853, 854, 855, 858, 860, 861, 868, 869, 939; **8**, 21, 803, 950, 951, 956, 958, 993, 1026, 1042, 1062; **9**, 88, 105, 397, 385, 456, 457, 476, 581, 603, 725, 729, 887, 919, 938, 939, 941

C₄Sb

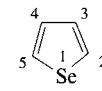
1H-Stibole

2, 857–902

C₄Se

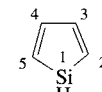
Selenophene

1, 274; **2**, 473, 476, 532, 631, 708, **731–748**, 912; **5**, 626, 626; **6**, 140, 147, 991, 994; **7**, 13, 62, 67, 209

C₄Si

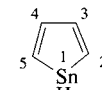
1H-Silole

1, 310, 312, 314, 315, 318, 319, 320, 322, 325, 819, 874, 876, 886; **2**, **903–918**; **9**, 1005, 1011

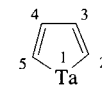
C₄Sn

1H-Stannole

2, 888, 890, **903–918**, 931; **9**, 1029

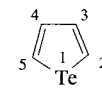
C₄Ta

1-Tantalacyclopenta-2,4-diene
2, 933–967

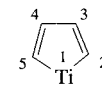
C₄Te

Tellurophene

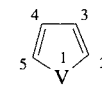
2, 476, 476, **749–756**

C₄Ti

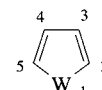
1-Titanacyclopenta-2,4-diene
1, 896; **2, 933–967**

C₄V

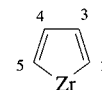
1-Vanadacyclopenta-2,4-diene
2, 933–967

C₄W

1-Tungstacyclopenta-2,4-diene
2, 933–967

C₄Zr

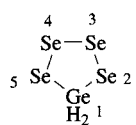
1-Zirconacyclopenta-2,4-diene
2, 638, 829, 835, 887, 890, 916, 931, **933–967**



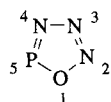
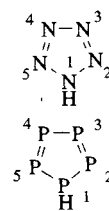
631

*Ring Index (5)*GeSe₄

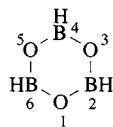
Tetraselenagermolane

1, 466N₅1*H*-Pentazole**4**, **897–904**N₃OP

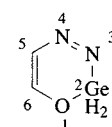
1,2,3,4,5-Oxatriazaphosphole

4, 739P₅1*H*-Pentaphosphole**4**, **771–818**P₅

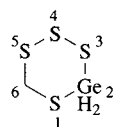
B₃O₃
Boroxin
2, 317



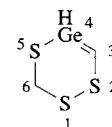
C₂GeN₂O
2*H*-1,3,4,2-Oxadiazagermine
6, 1125, 1132



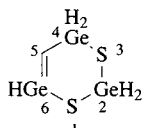
CGeS₂
1,3,4,5,2-Tetrathiagermane
6, 1125



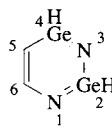
C₂GeS₃
3*H*-1,2,5,4-Trithiagermin
1, 1187



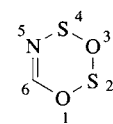
CGe₃S₂
1,3,2,4,6-Dithiatrigermane
1, 1180; 6, 1133



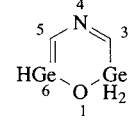
C₂Ge₂N₂
1,3,2,4-Diazadigermin
1, 1179



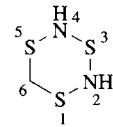
CNO₂S₂
1,3,2,4,5-Dioxadithiazine
6, 854, 970, 981; 6, 984, 1, 1037



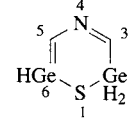
C₂Ge₂NO
2*H*-1,4,2,6-Oxazadigermine
6, 1133



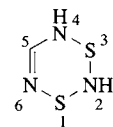
CN₂S₃
1,3,5,2,4-Trithiadiazine
6, 984



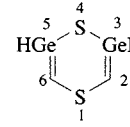
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2*H*-1,4,2,6-Thiazadigermine
6, 1133



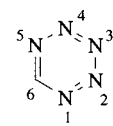
CN₃S₂
4*H*-1,3,2,4,6-Dithiatriazine
6, 969, 969, 973; 6, 980



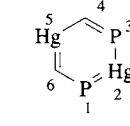
C₂Ge₂S₂
1,4,3,5-Dithiadigermin
1, 1180



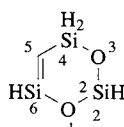
CN₅
Pentazine
6, 957–965



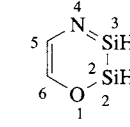
C₂Hg₂P₂
1,3,2,5-Diphosphadimercurin
9, 1036



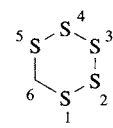
CO₂Si₃
1,3,2,4,6-Dioxatrisilane
6, 1133



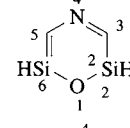
C₂NOSi₂
2*H*-1,4,2,3-Oxazadisiline
6, 1125, 1131



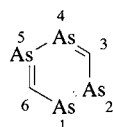
CS₅
Pentathiane
9, 853



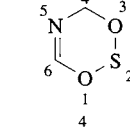
2*H*-1,4,2,6-Oxazadisiline
6, 1133



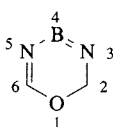
C₂As₄
1,2,4,5-Tetrarsenin
6, 1116



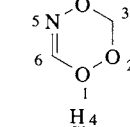
C₂NO₂S
4*H*-1,3,2,5-Dioxathiazine
6, 818, 976



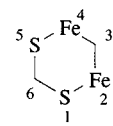
C₂BN₂O
1,3,5,4-Oxadiazaborin
1, 1199



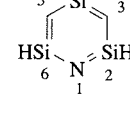
C₂NO₃
1,2,4,5-Trioxazine
6, 976, 984

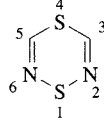
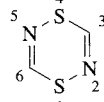
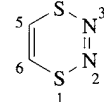
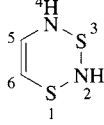
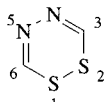
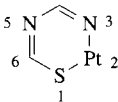
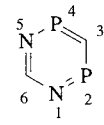
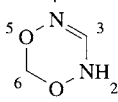
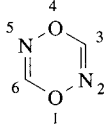
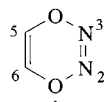
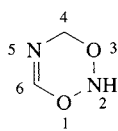
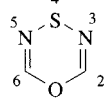
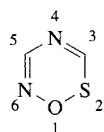
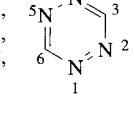
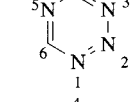
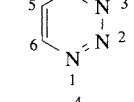
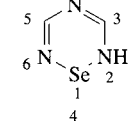
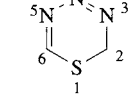
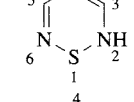
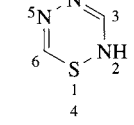
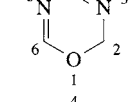
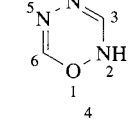
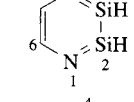
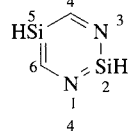
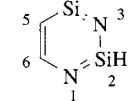
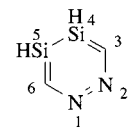


C₂Fe₂S₂
1,5,2,4-Dithiadiferrane
9, 396



C₂NSi₃
1,2,4,6-Azatrisilane
9, 1015



1,2,3,5-Oxathiadiazine
6, 970, 975, 9821,4,3,5-Oxathiadiazine
6, **967–985**2*H*,4*H*-1,3,2,5-Dioxadiazine
4, 6841,4,2,3-Dioxadiazine
6, 973, 9801,4,2,5-Dioxadiazine
6, **967–985**; 6, 9812*H*-1,5,2,4-Dioxadiazine
6, 974, 9811,5,2,4-Diazadiphosphorine
8, 11531,3,5,2-Thiadiazaplatinine
4, 3131,2,4,5-Dithiadiazine
6, 9834*H*-1,3,2,4-Dithiadiazine
6, 9821,4,2,3-Dithiadiazine
6, 9831,4,2,5-Dithiadiazine
4, 514, 702, 724; 6, 975, 9831,4,2,6-Dithiadiazine
4, 514; 6, 477, 9821,2,4,5-Diazadisilene
6, 11311,3,2,4-Diazadisilene
6, 11251,3,2,5-Diazadisilene
6, 11311,4,2,3-Diazadisilene
6, 1125, 11312*H*-1,2,4,5-Oxatriazine
4, 158; 6, 9772*H*-1,3,4,5-Oxatriazine
6, 968, 972, 977; 7, 151; 4, 562*H*-1,2,4,5-Thiatriazine
6, 951; 4, 562*H*-1,2,4,6-Thiatriazine
4, 739; 6, **967–985**; 9, 7122*H*-1,3,4,5-Thiatriazine
1, 200; 6, 968, 9722*H*-1,2,4,6-Selenatriazine
6, 10171,2,3,4-Tetrazine
4, 117; 6, **957–965**1,2,3,5-Tetrazine
6, **957–965**; 7, 467, 470, 590, 618;
8, 609; 4, 561,2,4,5-Tetrazine
2, 155, 156, 382; 3, 738; 4, 135, 143, 158,
191, 814; 5, 682; 6, 76, 78, 569, 777,
901–955; 7, 245, 246, 257, 752, 835; 8,
463, 495, 496, 615; 9, 48, 62, 469

C₂OSi₂Sn

C₂OSi₂Sn
2*H*-1,2,6,4-Oxadisilastannin
6, 1125

C₂OSi₂Te
1,4,2,6-Oxatelluradisilin
6, 1125

C₂O₂S₂
1,3,2,4-Dioxadithiin
1, 1103

C₂O₂Si₂
1,2,3,6-Dioxadisilin
6, 1131

1,4,2,6-Dioxadisilin
6, 1133

C₂O₄
1,2,4,5-Tetroxane
1, 1061

C₂P₄
1,2,4,5-Tetraphosphorin
1, 480, 481

C₂S₂Si₂
1,4,2,5-Dithiadisilin
1, 1179

C₂S₄
1,2,4,5-Tetrathiane
1, 449; 3, 634; 4, 614; 6, 841;
9, 399, 493

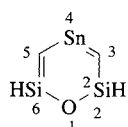
1,2,3,4-Tetrathiin
4, 579

C₂Si₄
1,2,3,4-Tetrasilin
6, 1132; 7, 523

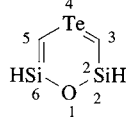
C₃AsO₂
4*H*-1,3,2-Dioxarsenin
6, 1073–1118

2*H*,4*H*-1,3,5-Dioxarsenin
6, 1097, 1104

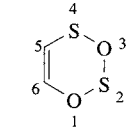
Ring Index (6)



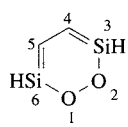
1,4,2-Dioxarsenin
6, 1097



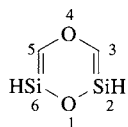
2*H*-1,5,2-Dioxarsenin
6, 1097



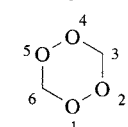
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6, 1076



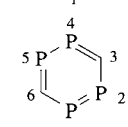
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4*H*-1,3,2-Dithiarsenin
6, 1105, 1106



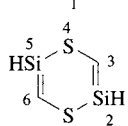
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6, 1105



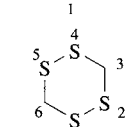
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6, 1108



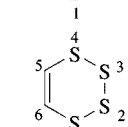
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1,3,2-Diazaborine
6, 925



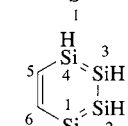
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4*H*-1,3,2-Dioxaborin
6, 140, 925; 8, 917



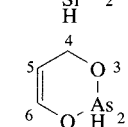
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1,3,2-Azaphosphaferrine
3, 793



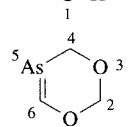
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1,3,2-Thiazaferriene
1, 643



C₃GeN₂
1,2,3-Diazagermine
6, 1130



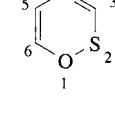
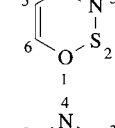
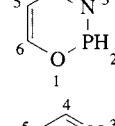
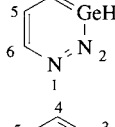
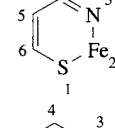
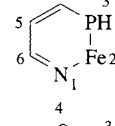
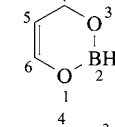
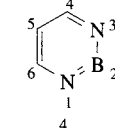
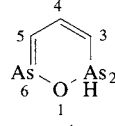
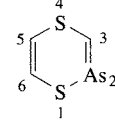
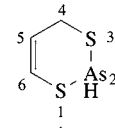
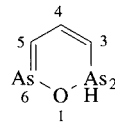
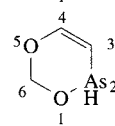
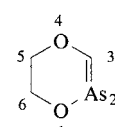
C₃NOP
2*H*-1,3,2-Oxazaphosphorine
1, 59; 8, 741

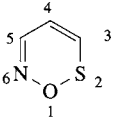
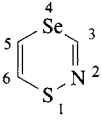
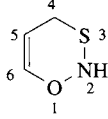
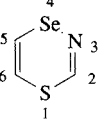
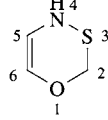
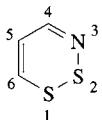
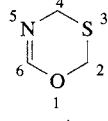
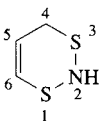
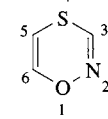
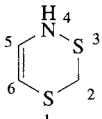
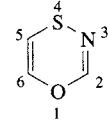
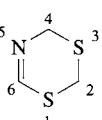
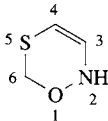
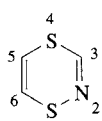
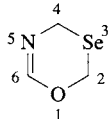
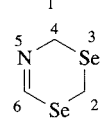
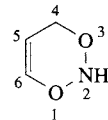
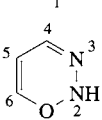
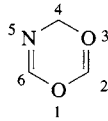
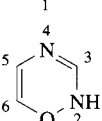
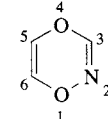
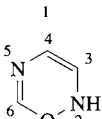
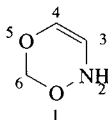
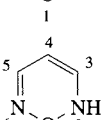
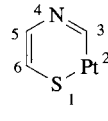
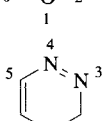


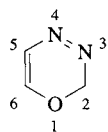
C₃NOS
1,2,3-Oxathiazine
6, 825–859



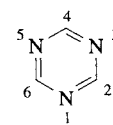
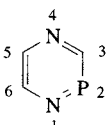
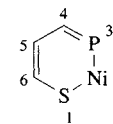
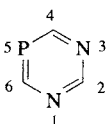
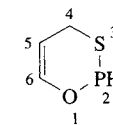
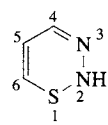
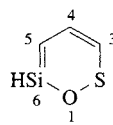
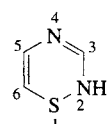
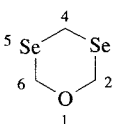
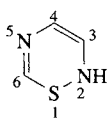
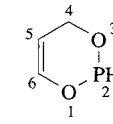
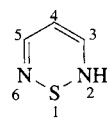
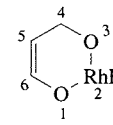
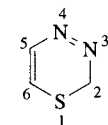
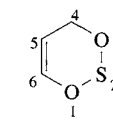
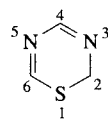
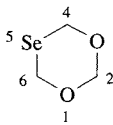
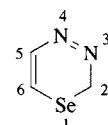
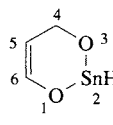
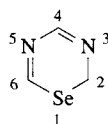
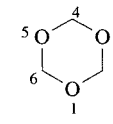
1,2,4-Oxathiazine
6, 830



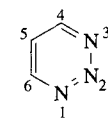
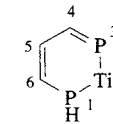
1,2,6-Oxathiazine 6 , 840		C_3NSSe 1,4,2-Thiaselenazine 3 , 688	
4 <i>H</i> -1,3,2-Oxathiazine 6 , 826		1,4,3-Thiaselenazole 6 , 1017	
2 <i>H</i> ,4 <i>H</i> -1,3,4-Oxathiazine 6 , 826		C_3NS_2 1,2,3-Dithiazine 6 , 852	
4 <i>H</i> -1,3,5-Oxathiazine 6 , 825–859		4 <i>H</i> -1,3,2-Dithiazine 6 , 854	
1,4,2-Oxathiazine 6 , 858; 3 , 534		1,3,4-Dithiazine 6 , 854	
1,4,3-Oxathiazine 1 , 1033, 1037; 4 , 514; 6 , 825–859		4 <i>H</i> -1,3,5-Dithiazine 4 , 614; 6 , 825–859	
2 <i>H</i> ,6 <i>H</i> -1,5,2-Oxathiazine 6 , 828, 830, 837, 840, 845, 849		1,4,2-Dithiazine 3 , 366, 618; 6 , 825–859	
C_3NOSe 4 <i>H</i> -1,3,5-Oxaselenazine 6 , 1018		C_3NSe_2 4 <i>H</i> -1,3,5-Diselenazine 9 , 937	
C_3NO_2 4 <i>H</i> -1,3,2-Dioxazine 6 , 833, 844, 847		C_3N_2O 2 <i>H</i> -1,2,3-Oxadiazine 6 , 637–644 , 826	
4 <i>H</i> -1,3,5-Dioxazine 1 , 990, 1006; 6 , 829, 833, 837, 843, 851		2 <i>H</i> -1,2,4-Oxadiazine 3 , 218; 4 , 195, 197, 202; 6 , 645–680 , 827, 828	
1,4,2-Dioxazine 6 , 825–859		2 <i>H</i> -1,2,5-Oxadiazine 4 , 253	
2 <i>H</i> -1,5,2-Dioxazine 1 , 998; 6 , 828, 830, 839, 841, 846, 847, 853		2 <i>H</i> -1,2,6-Oxadiazine 8 , 479–491	
C_3NPtS 2 <i>H</i> -1,4,2-Thiazaplatinine 3 , 393		2 <i>H</i> -1,3,4-Oxadiazine 1 , 942, 943, 945; 6 , 737–781 ; 8 , 482, 740; 9 , 65	

2*H*-1,3,5-Oxadiazine1, 990; 4, 485; 5, 658; 6, 626, **681–694**,
783–823, 976; 7, 342; 8, 740

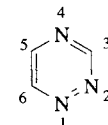
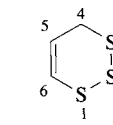
1,3,5-Triazine

1, 59, 357, 385, 535, 928, 939, 940, 960,
994, 1026; 2, 396, 415, 424; 3, 8, 218,
307, 536; 4, 151, 317, 462; 6, 205, 331,
337, 529, 536, **575–636**, 793, 794, 797,
800, 812, 949; 7, 598; 8, 399, 400, 451,
458, 503, 608, 718, 724, 736, 738; 9, 357C₃N₂P1,4,2-Diazaphosphorine
4, 799C₃NiSP1,3,2-Thiaphosphanickelin
124.RX00251,3,5-Diazaphosphorine
5, 658; 6, 795C₃OPS4*H*-1,3,2-Oxathiaphosphorin
1, 793C₃N₂S2*H*-1,2,3-Thiadiazine3, 65; 6, **637–644**; 7, 72, 816C₃OSSI1,2,6-Oxathiasilin
1, 8772*H*-1,2,4-Thiadiazine
8, 484, 740C₃OSe₂1,3,5-Oxadiselenane
6, 10182*H*-1,2,5-Thiadiazine1, 1022; 6, **681–694**; 7, 522, 525, 668,
817C₃O₂P4*H*-1,3,2-Dioxaphosphorin
8, 880, 1164, 11682*H*-1,2,6-Thiadiazine
4, 375; 8, **479–491**C₃O₂Rh4*H*-1,3,2-Dioxarhodin
2, 9662*H*-1,3,4-Thiadiazine3, 155, 192; 4, 391, 392; 6, **737–781**, 930;
8, 816, 819C₃O₂S4*H*-1,3,2-Dioxathiin
3, 5242*H*-1,3,5-Thiadiazine1, 1019; 4, 485, 486; 6, 626; 6, **645–680**,
783–823, 839C₃O₂Se1,3,5-Dioxaselenane
6, 1018C₃N₂Se2*H*-1,3,4-Selenadiazine
4, 761; 6, 1014, 1015C₃O₂Sn1,3,2-Dioxastannin
1, 7322*H*-1,3,5-Selenadiazine
6, 1016C₃O₃1,3,5-Trioxane
9, 281C₃N₃

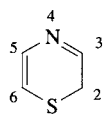
1,2,3-Triazine

1, 589; 6, **483–505**; 7, 72; 8, 460C₃P₂Ti1,3,2-Diphosphatitanin
1, 864

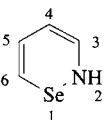
1,2,4-Triazine

1, 692, 939, 961; 2, 194, 628; 3, 126, 166,
395; 4, 278, 659; 5, 242; 6, 74, 270, **507–**
573, 595, 625, 769, 929, 929, 951; 7, 94,
96, 268, 353, 361, 362, 503, 504, 506,
508, 510, 554, 555, 556, 765, 799, 801,
802, 815, 816, 817, 818, 828, 830, 837, 612, 654; 8,
398, 460, 462, 490, 502, 611, 717, 724, 725, 726, 738,
739, 740, 745, 746, 817; 9, 48, 62, 322, 335, 336C₃S₃4*H*-1,2,3-Trithiin
9, 392

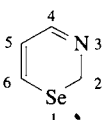
1,2,4-Trithiin 3, 612		1,4-Diarsenin 6, 1073–1118 ; 6, 1091		
C ₃ Se ₃ 1,3,5-Triselenane 6, 1006		C ₄ BSi 1,4-Silaborin 3, 812		
C ₄ AsN 1,3-Azarsenin 5, 682; 6, 1073–1118		C ₄ B ₂ 1,4-Diborin 1, 336, 341		
1,4-Azarsenin 6, 1073–1118		C ₄ Ge ₂ 1,2-Digermin 6, 1126, 1129		
C ₄ AsO 2H-1,2-Oxarsenin 6, 1073–1118		1,4-Digermin 6, 1129		
2H-1,3-Oxarsenin 6, 1073–1118		C ₄ HfO 2H-1,2-Oxahafnin 1, 899		
2H-1,4-Oxarsenin 6, 1073–1118		C ₄ NO 2H-1,2-Oxazine 1, 572, 583, 972; 5, 238; 6, 279–299 ; 7, 243; 8, 677		
C ₄ AsP 1,2-Phospharsenin 6, 1096		2H-1,3-Oxazine 1, 114, 533, 689, 971; 5, 231, 239; 6, 301–348 ; 7, 244, 274, 762; 8, 180, 305, 316, 341, 589, 702, 703; 9, 43, 330, 509		
1,3-Phospharsenin 6, 1073–1118		2H-1,4-Oxazine 1, 1029; 2, 227, 242; 3, 191, 237, 244, 315, 472, 617, 638; 4, 369, 641; 5, 88, 207, 226, 239, 414, 445, 562, 593, 614; 6, 50, 87, 384, 388, 743, 743, 923; 7, 265, 695, 729; 8, 318, 331, 332, 338, 357, 430, 432, 494, 584, 587, 675, 676, 703, 709, 822, 1083, 1117, 1120, 1128, 1131; 9, 218, 293, 337, 369, 531, 552, 556		
1,4-Phospharsenin 6, 1097, 1097		C ₄ NP 1,3-Azaphosphorin 1, 588; 5, 658		
C ₄ AsS 2H-1,4-Thiarsenin 6, 1073–1118		1,4-Azaphosphorin 8, 877		
C ₄ As ₂ 1,2-Diarsenin 6, 1091		C ₄ NS 2H-1,2-Thiazine 1, 379; 4, 375; 7, 841–874 ; 9, 196, 488		
1,3-Diarsenin 6, 1091		2H-1,3-Thiazine 1, 592, 595, 605, 606, 689, 792, 1025, 1027, 1037; 3, 194, 283, 342, 344, 357, 357, 602; 4, 462, 465; 5, 609; 6, 205, 383–413 , 794, 819; 7, 275, 276, 474; 8, 317, 332, 338, 584, 587, 588, 691, 692, 695, 704, 705, 720, 731		

2*H*-1,4-Thiazine1, 201, 250; 3, 403, 414; 5, 490; 6, 22;
7, 779, 616; 8, 430, 696; 9, 288C₄NSe2*H*-1,2-Selenazine

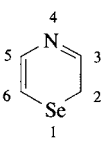
6, 1007

2*H*-1,3-Selenazine

6, 1007, 1008, 1009, 1010

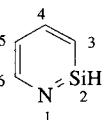
2*H*-1,4-Selenazine

6, 1010, 1011

C₄NSi

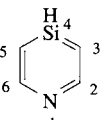
1,2-Azasiline

6, 1127



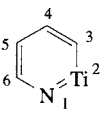
1,4-Azasiline

6, 1129

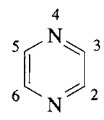
C₄NTi

1-Aza-2-titanabenzene

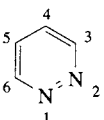
1, 899

C₄N₂

Pyrazine

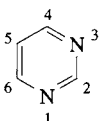
1, 88, 1039; 2, 425, 431, 52, 216, 219, 221, 222, 224, 227, 228, 230, 237, 242, 243, 625, 684; 3, 53, 146, 217, 219, 291, 371, 605, 700, 731; 4, 238, 673, 762; 5, 240; 6, 98, 128, **233–278**, 485, 927; 7, 256, 264, 270, 483, 507, 555, 702, 705, 719, 720, 721, 750, 752, 756, 764, 765, 773, 774, 775, 806, 807, 830, 832, 896; 8, 93, 315, 317, 355, 356, 432, 474, 582, 588, 589, 642, 644, 649, 650, 651, 657, 664, 665, 667, 673, 677, 696, 717, 719, 1084; 9, 167, 179, 295, 334, 335, 354, 369, 530, 531, 538, 563, 613, 614, 935

Pyridazine

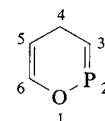
1, 84, 355, 698, 699, 714, 789, 934, 953; 2, 155, 156, 578, 946; 3, 29, 44, 71, 239, 489; 4, 263, 603; 5, 682; 6, **1–91**; 6, 99, 158, 237; 6, 241, 269, 486; 6, 488, 494, 577, 913, 914, 915, 922, 923, 925, 926, 929, 933, 934, 935, 942, 951; 7, 127, 161, 238, 247, 257, 258, 265, 266, 443, 452, 456, 457, 478, 479, 480, 481, 482, 483, 484, 485, 508, 742, 743, 746, 752, 759, 760, 761, 762, 763, 771, 772, 827, 830, 832, 587, 588, 605, 617, 618; 8, 331, 332, 357, 358, 362, 363, 424, 432, 474, 476, 584, 587, 592, 593, 644, 648, 649, 665, 668, 669, 719, 722, 775, 782, 792, 812, 814, 815, 818, 820, 825, 826, 827, 829; 9, 148, 334, 337, 346, 686, 689, 690, 691

Pyrimidine

1, 86, 378, 441, 445, 533, 548, 586, 613, 669, 671, 697, 713, 816, 1024, 1038, 1038; 2, 399, 409, 411, 415, 691, 703, 746; 3, 22, 29, 65, 54, 71, 129, 150, 152, 164, 198, 207, 216, 217, 418, 454, 456, 483, 487, 489, 566; 4, 153, 160, 190, 207, 214, 219, 263, 339, 369, 462, 463, 513, 671, 672, 718; 5, 42, 240,

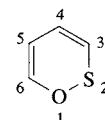
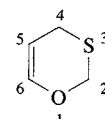
241, 281, 474; **6, 93–231**, 237, 240, 241, 401, 402, 534, 569, 586, 594, 596, 597, 600, 625, 653, 780, 794, 795, 915, 945; 7, 106, 242, 248, 249, 252, 253, 255, 259, 260, 261, 262, 263, 266, 267, 268, 342, 344, 370, 390, 409, 409, 412, 414, 417, 419, 453, 454, 456, 457, 476, 477, 479, 480, 481, 482, 484, 485, 500, 505, 506, 511, 554, 699, 714, 715, 716, 717, 718, 719, 724, 725, 728, 748, 752, 754, 766, 767, 768, 769, 777, 778, 779, 780, 799, 800, 804, 819, 820, 821, 822, 823, 824, 825, 826, 827, 829, 830, 831, 832, 833, 834, 837, 885; 8, 35, 289, 316, 317, 331, 332, 352, 358, 359, 360, 361, 362, 424, 425, 434, 436, 437, 440, 469, 593, 646, 650, 651, 652, 653, 654, 655, 656, 664, 666, 670, 671, 672, 673, 674, 685, 689, 690, 691, 694, 695, 718, 720, 721, 722, 730, 731, 732, 949, 1083, 1124; 9, 133, 162, 179, 278, 279, 285, 317, 354, 358, 363, 366, 499, 505, 886, 919C₄OP4*H*-1,2-Oxaphosphorin

1, 856; 5, 658

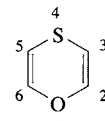
C₄OS

1,2-Oxathiin

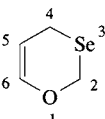
1, 800, 1094; 7, 857

4*H*-1,3-Oxathiin**6, 415–445**

1,4-Oxathiin

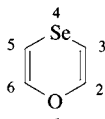
1, 198, 1086; **6, 447–481**; 9, 580C₄OSe4*H*-1,3-Oxaselenin

6, 989, 1124

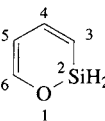


1,4-Oxaselenin

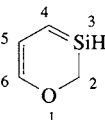
6, 990, 993, 994; 6, 995; 9, 937

C₄OSi2*H*-1,2-Oxasilin

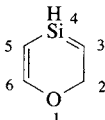
1, 877, 886; 6, 1124, 1127

2*H*-1,3-Oxasilin

6, 1128

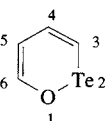
2*H*-1,4-Oxasilin

3, 814; 6, 1129

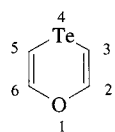
C₄OTe

1,2-Oxatellurin

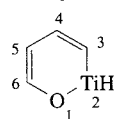
6, 996



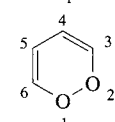
1,4-Oxatellurin
6, 995



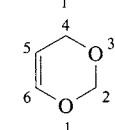
C₄OTi
2*H*-1,2-Oxatitanin
1, 899



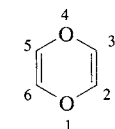
C₄O₂
1,2-Dioxin
1, 253; 2, 366; 8, 1151



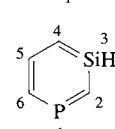
4*H*-1,3-Dioxin
1, 526, 751, 799; 2, 235, 627; 3, 290, 307;
4, 139; 5, 103, 170, 172, 188, 191, 222,
394, 411, 418, 437, 449; 6, 321, 325, 329,
330, **415–445**; 7, 134, 270, 807, 820,
931; 8, 31, 334, 535; 9, 23, 241, 276; 9,
442, 443, 513; 9, 774



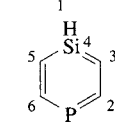
1,4-Dioxin
1, 105, 379, 1065, 1066, 1212; 3, 111, 120,
121, 487, 359, 542, 562, 639, 645; 5, 84,
389, 446, 496, 497; 6, 127, 133, 166,
447–481, 673; 7, 307, 833, 833; 8, 566;
9, 273, 277, 443, 575, 678, 874, 911



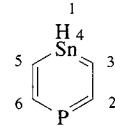
C₄PSi
1,3-Phosphasilin
1, 877



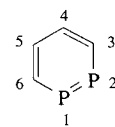
1,4-Phosphasilin
6, 1129



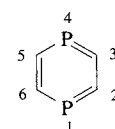
C₄PSn
1,4-Phosphastannin
6, 1129



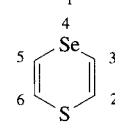
C₄P₂
1,2-Diphosphorin
6, 1096



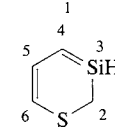
1,4-Diphosphorin
6, 1097; 8, 880, 888



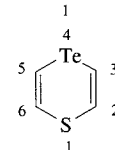
C₄SSe
1,4-Thiaselenin
6, 997



C₄SSi
2*H*-1,3-Thiasilin
9, 1005



C₄STe
1,4-Thiatellurin
6, 997



C₄STi
2*H*-1,2-Thiatitanin
1, 792

C₄S₂
1,2-Dithiin
1, 218, 1124; 2, 651, 665, 681; 3, 585;
6, 427, 442; 9, 493, 589, 644, 647, 713,
725

4*H*-1,3-Dithiin
1, 1060, 1128; 2, 587; 3, 589, 601; 5, 70,
397; 6, **415–445**; 7, 32; 8, 556, 541;
9, 287, 288, 290, 291, 292, 493, 646, 647,
649, 784

1,4-Dithiin
1, 205, 218, 1131; 2, 551, 664, 665; 3, 578,
585, 613; 4, 305, 558, 618; 6, **447–481**;
9, 295, 587

C₄SeSi
2*H*-1,2-Selenasilin
6, 1127

C₄Se₂
1,2-Diselenin
6, **987–1018**

4*H*-1,3-Diselenin
3, 670; 6, **987–1018**

1,4-Diselenin
1, 274, 1151; 6, **987–1018**; 8, 846

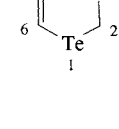
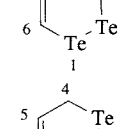
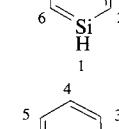
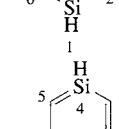
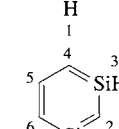
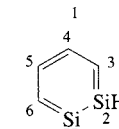
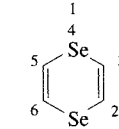
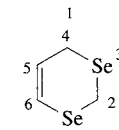
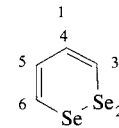
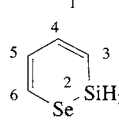
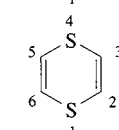
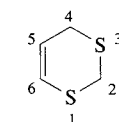
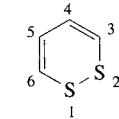
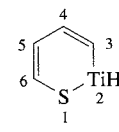
C₄Si₂
1,2-Disilin
1, 327; 6, 1126, 1145

1,3-Disilin
1, 1180; 6, 1128

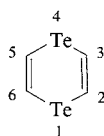
1,4-Disilin
1, 1181; 2, 915; 6, 1126, 1129; 9, 1014

C₄Te₂
1,2-Ditellurin
6, **987–1018**

4*H*-1,3-Ditellurin
6, **987–1018**

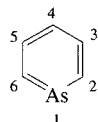


1,4-Ditellurin
6, 987–1018

C₅As

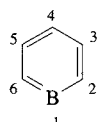
Arsenin

2, 870, 875, 877, 879, 892; 5, 669–683;
6, 1074, 1086

C₅B

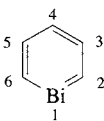
Borin

2, 932; 8, 891

C₅Bi

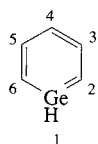
Bismin

5, 669–683

C₅Ge

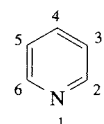
Germin

1, 874

C₅N

Pyridine

1, 13, 16, 18, 29, 57, 76, 201, 204, 206, 250, 311, 313, 354, 370, 384, 389, 394, 409, 517, 532, 534, 535, 549, 568, 571, 578, 579, 586, 587, 610, 643, 641, 669, 694, 695, 697, 713, 744, 786, 788, 796, 797, 814, 1024, 1030, 1106, 1130, 1145, 1146, 1150, 1152; 2, 35, 145, 151, 164, 172, 174, 175, 178, 187, 203, 306, 356, 409, 417, 424, 425, 428, 429, 434, 499, 503, 529, 547, 597, 625, 644, 646, 662, 684, 684, 712, 725, 740, 742, 920, 921, 922, 923, 946, 948; 3, 23, 23, 38, 79, 88, 104, 108, 113, 118, 122, 131, 161, 197, 198, 205, 235, 236, 239, 253, 307, 310, 318, 385, 388, 412, 418, 422, 432, 469, 470, 486, 489, 534, 541, 565, 583, 593, 599, 602, 614, 631, 632, 634, 637, 649, 657, 693, 694, 706, 731, 733, 766; 4, 160, 193, 202, 205, 208, 216, 219, 224, 263, 321, 322, 363, 397, 400, 461, 476, 542, 564, 632, 653, 689, 718, 726, 737, 747, 766, 787, 797; 5, 1–35, 37–89, 91–134, 135–165, 167–243, 245–300, 363, 373, 413, 472, 478, 498, 509, 541, 590, 596, 614, 669–683, 631, 636; 6, 42, 42, 78, 88, 90, 98, 98, 104, 115, 133, 146, 171, 201, 237, 240, 241, 255, 256, 276, 396, 397, 410, 422, 471, 472, 484, 488, 494, 498, 577, 586, 593, 594, 610, 615, 618, 631, 633, 652, 678, 776, 789, 791, 905, 916, 927, 970; 7, 19, 67, 193, 205, 206, 207, 210, 211, 212, 213, 214, 216, 220, 222, 243, 296, 297, 299, 301, 302, 303, 306, 308, 309, 312, 313, 314, 315, 316, 317, 318, 322, 323, 326, 327, 328, 329, 330, 331, 332, 333, 334, 336, 337, 338, 339, 341, 342, 345, 346, 354, 357, 367, 368, 372, 373, 374, 381, 382, 383, 384, 385, 387, 387, 388, 389, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 557, 567, 570, 575, 580, 586, 587, 590, 592, 593, 594, 595, 602, 603, 604, 604, 605, 614, 615, 616, 653, 654, 655, 657, 658, 659, 660, 661, 664, 665, 666, 668, 674, 676, 884, 885, 886, 887, 888, 890, 891, 896, 898; 8, 36, 43, 47, 93, 215, 244, 245, 247, 256, 260, 262, 263, 265, 268, 269, 272, 275, 277, 278, 281, 283, 284, 331, 341, 352, 394, 398, 400, 406, 409, 413, 425, 516, 517, 533, 534, 535, 536, 537, 538, 539, 541, 542, 543, 544, 547, 551, 555, 559, 567, 568, 578, 581, 582, 583, 584, 585, 585, 587, 588, 589, 590, 591, 592, 593, 604, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 671, 709,

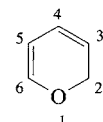


710, 851, 854, 860, 908, 910, 917, 998, 1033, 1037, 1038, 1039, 1041, 1042, 1043, 1051, 1052, 1054, 1059, 1060, 1061, 1062, 1080, 1083, 1084, 1085, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1132; 9, 14, 18, 29, 40, 51, 119, 120, 134, 149, 159, 162, 163, 165, 179, 180, 184, 193, 202, 212, 219, 220, 224, 228, 275, 285, 303, 321, 321, 329, 337, 339, 340, 343, 354, 358, 369, 383, 418, 419, 420, 423, 424, 439, 463, 465, 466, 474, 481, 501, 504, 511, 513, 542, 622, 716, 760, 761, 779, 781, 785, 798, 835, 836, 874, 880, 881, 886, 887, 888, 892, 904, 919, 934, 938, 942, 1027

C₅O

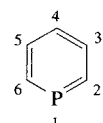
2H-Pyran

1, 103, 115, 131, 159, 168, 169, 201, 401, 785, 790, 821, 971, 1178, 1187; 2, 194, 366, 366, 367, 382, 391, 400, 410, 414, 415, 213, 223, 226, 233, 236, 237, 244, 247, 756; 3, 248, 315, 410, 442, 457, 458; 4, 141, 273, 527; 5, 120, 212, 236, 238, 301–350, 351–468, 469–500, 505, 609, 628, 630, 636, 652, 653, 660; 6, 114, 137, 141, 142, 143, 146, 147, 149, 150, 156, 158, 159, 161, 163, 169, 176, 185, 190, 237, 270, 322, 343, 420, 425, 440, 631, 633, 755, 952; 7, 313, 424, 536, 541, 542, 543, 544, 546, 549, 552, 554, 576, 617, 618, 619, 622, 638, 639, 658, 659, 662, 669, 670, 671, 674, 715, 927, 929, 939, 890; 8, 50, 53, 70, 283, 331, 415, 551, 610, 625, 905, 1060, 1085; 9, 45–66, 131, 135, 188, 192, 210, 282, 324, 420, 440, 441, 448, 517, 567, 570, 572, 766, 767, 864, 867

C₅P

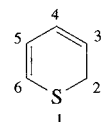
Phosphorin

1, 302, 303, 467, 838, 854, 856, 863, 865; 2, 796, 813, 855; 5, 669–683, 639–668; 6, 1074; 8, 866, 867, 885, 886, 1157; 9, 948

C₅S

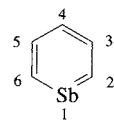
2H-Thiin

1, 218, 258, 786, 800, 801, 809; 2, 534, 756, 949; 3, 367, 581, 583, 650, 693; 5, 501–617, 628, 630, 634; 6, 463; 7, 339, 540, 541, 542, 543, 544, 549, 552, 927, 939, 618, 622, 667; 8, 32, 836, 837; 9, 88, 103, 103, 107, 226, 236, 237, 238, 263, 388, 419, 441, 456, 511, 525, 715, 783, 784

C₅Sb

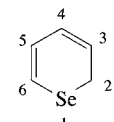
Antimonin

5, 669–683

C₅Se

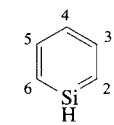
2H-Selenin

2, 745, 746, 756; 5, 619–637; 6, 1006;
8, 860

C₅Si

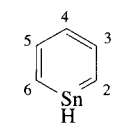
Silin

1, 315, 874, 884, 886; 2, 906; 3, 806; 9, 994

C₅Sn

Stannin

5, 680; 8, 884

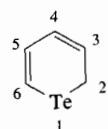


641

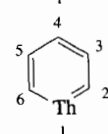
C_5Te
 2*H*-Tellurin
 2, 754, 756; 5, **619–637**; 6, 996

C_5Th
 Thorabenzene
 1, 899

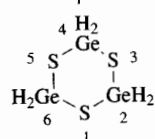
Ge_3S_3
 1,3,5,2,4,6-Trithiatrigermane
 1, 1180

Ring Index (6)

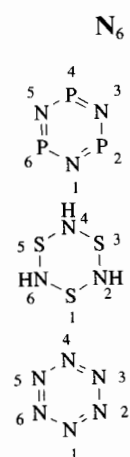
N_3P_3
 Phosphazene
 8, 866, 1158; 9, 964



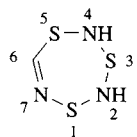
N_3S_3
 1,3,5,2,4,6-Trithiatriazine
 6, **967–985**



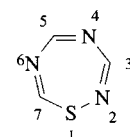
N_6
 Hexazine
 6, **957–965**



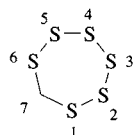
CN₃S₃
1,3,5,2,4,7-Trithiatriazepine
9, 371–402



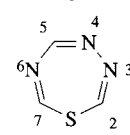
C₃N₃S
1,2,4,6-Thiatriazepine
9, 371–402



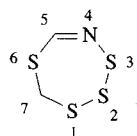
CS₆
Hexathiepane
9, 371–402



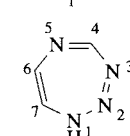
1,3,4,6-Thiatriazepine
9, 371–402



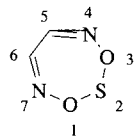
C₂NS₄
1,2,3,6,4-Tetrathiazepine
9, 371–402



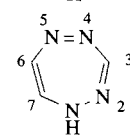
C₃N₄
1*H*-1,2,3,5-Tetrazepine
9, 371–402



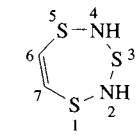
C₂N₂O₂S
1,3,2,4,7-Dioxathiadiazepine
1, 998



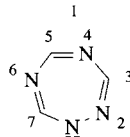
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9, 371–402



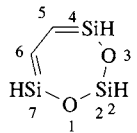
C₂N₂S₃
1,3,5,2,4-Trithiadiazepine
6, 473; 9, 371–402



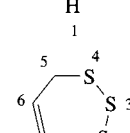
1*H*-1,2,4,6-Tetrazepine
9, 371–402



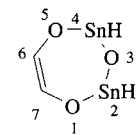
C₂O₂Si₃
1,3,2,4,7-Dioxatrisilepin
9, 1018



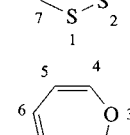
C₃S₄
5*H*-1,2,3,4-Tetrathiepin
9, 371–402



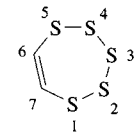
C₂O₃Sn₂
1,3,5,2,4-Trioxadistannepin
9, 1019



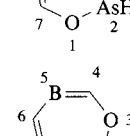
C₄AsO₂
1,3,2-Dioxarsepin
9, 986



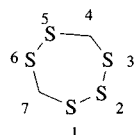
C₂S₅
1,2,3,4,5-Pentathiepin
9, 371–402



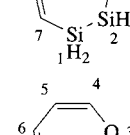
C₄BSi₂
1*H*-1,2,5-Disilaborepin
9, 1006



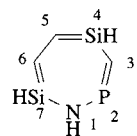
1,2,3,5,6-Pentathiepane
2, 233; 9, 400



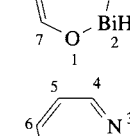
C₄BiO₂
1,3,2-Dioxabismuthiepin
9, 992



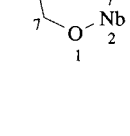
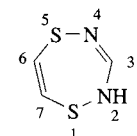
C₃NPSi₂
1*H*-1,2,4,7-Azaphosphadisilepine
9, 1014



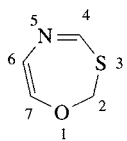
C₄NNbO
1,3,2-Oxazaniobepin
2, 136



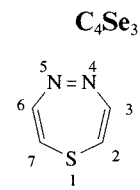
C₃N₂S₂
2*H*-1,5,2,4-Dithiadiazepine
9, 371–402



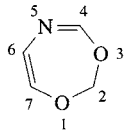
C_4NOS
1,3,5-Oxathiazepine
9, 353–370



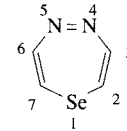
1,4,5-Thiadiazepine
9, 333–352



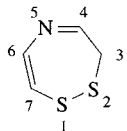
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1,3,5-Dioxazepine
9, 353–370



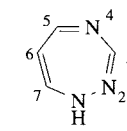
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1,4,5-Selenadiazepine
9, 942, 935



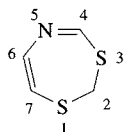
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3*H*-1,2,5-Dithiazepine
9, 333–352



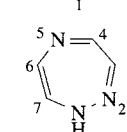
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1*H*-1,2,4-Triazepine
1, 84; 7, 590; 9, 309–331



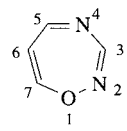
1,3,5-Dithiazepine
9, 353–370



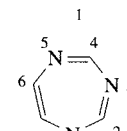
1*H*-1,2,5-Triazepine
6, 15, 74



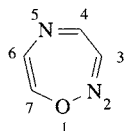
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1,2,4-Oxadiazepine
9, 309–331



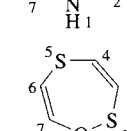
1*H*-1,3,5-Triazepine
9, 299–307, 333–352, 353–370



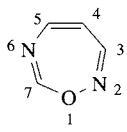
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9, 299–307, 333–352



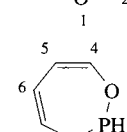
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6, 456



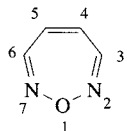
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4, 214; 9, 299–307



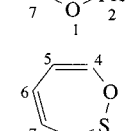
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8, 1151



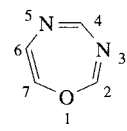
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9, 299–307



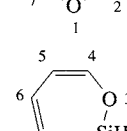
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1,3,2-Dioxathiepin
4, 571



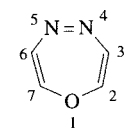
1,3,5-Oxadiazepine
9, 353–370



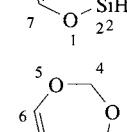
C_4O_2Si
1,3,2-Dioxasilepin
9, 240, 1018, 1019, 1020



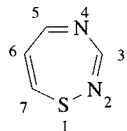
1,4,5-Oxadiazepine
9, 333–352



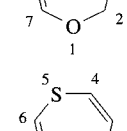
C_4O_3
2*H*,4*H*-1,3,5-Trioxepin
4, 562



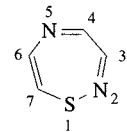
C_4N_2S
1,2,4-Thiadiazepine
9, 309–331



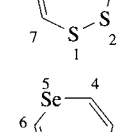
C_4S_3
1,2,5-Trithiepin
9, 333–352, 396, 715



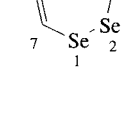
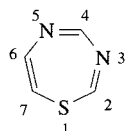
1,2,5-Thiadiazepine
6, 663; 9, 333–352



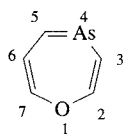
C_4Se_3
1,2,5-Triselenepin
9, 940



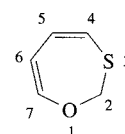
1,3,5-Thiadiazepine
9, 353–370



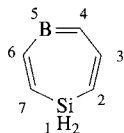
C₅AsO
1,4-Oxarsepin
9, 985



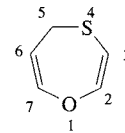
2*H*-1,3-Oxathiepin
9, 239–269



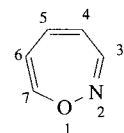
C₅BSi
1*H*-1,5-Silaborepin
9, 995



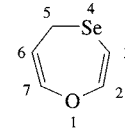
5*H*-1,4-Oxathiepin
9, 271–297



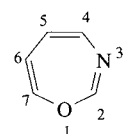
C₅NO
1,2-Oxazepine
5, 155; 9, 183–198



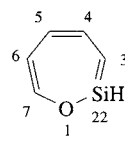
C₅OSe
5*H*-1,4-Oxaselenepin
6, 995; 9, 941, 937



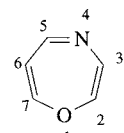
1,3-Oxazepine
5, 243; 9, 199–215, 368



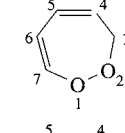
C₅OSi
1,2-Oxasilepin
9, 1015



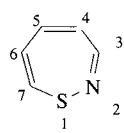
1,4-Oxazepine
1, 669; 9, 217–231, 368



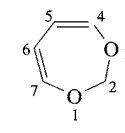
C₅O₂
3*H*-1,2-Dioxepin
9, 233–238



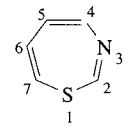
C₅NS
1,2-Thiazepine
9, 183–198, 235



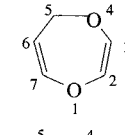
1,3-Dioxepin
9, 239–269, 576, 783



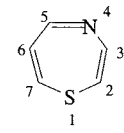
1,3-Thiazepine
9, 183–198



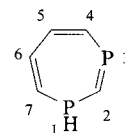
5*H*-1,4-Dioxepin
6, 466; 9, 271–297



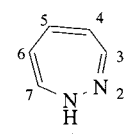
1,4-Thiazepine
1, 641, 669; 2, 411; 3, 368



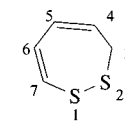
C₅P₂
1*H*-1,3-Diphosphepin
9, 947–969



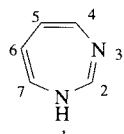
C₅N₂
1*H*-1,2-Diazepine
2, 701; 4, 188; 5, 115, 150; 6, 73, 918;
7, 454; 8, 773; 9, 113–138



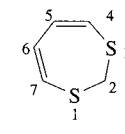
C₅S₂
3*H*-1,2-Dithiepin
3, 595



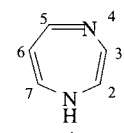
1*H*-1,3-Diazepine
1, 82, 354, 983; 5, 114, 150; 8, 47, 407,
408; 9, 139–150, 354



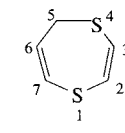
1,3-Dithiepin
9, 239–269



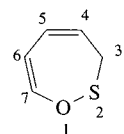
1*H*-1,4-Diazepine
1, 526, 669; 2, 220, 222, 237, 410;
3, 218; 6, 32; 9, 151–182, 604, 796



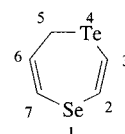
5*H*-1,4-Dithiepin
9, 271–297, 587, 645

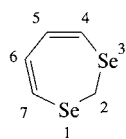
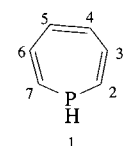
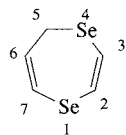
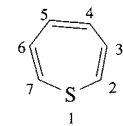
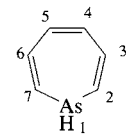
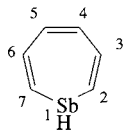
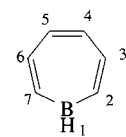
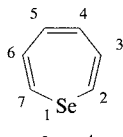
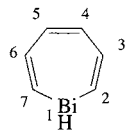
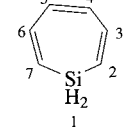
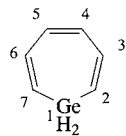
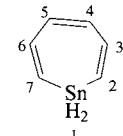
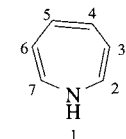
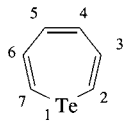
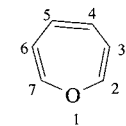
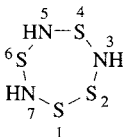


C₅OS
3*H*-1,2-Oxathiepin
1, 800, 801; 9, 188, 233–238

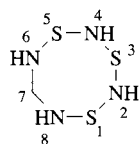


C₅SeTe
5*H*-1,4-Selenatellurepin
9, 940

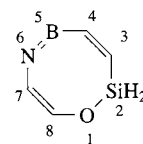


C_5Se_2 1,3-Diselenepin
9, 933 C_6P 1*H*-Phosphepin
1, 292; 2, 806; 9, **947–969**5*H*-1,4-Diselenepin
9, 940 C_6S Thiepin
1, 330, 1124, 1136, 1137; 2, 646, 651;
3, 62; 5, 534, 550; 9, **67–111**, 440 C_6As 1*H*-Arsepin
9, **971–992** C_6Sb 1*H*-Stibepin
9, **971–992** C_6B 1*H*-Borepin
9, **1023–1031** C_6Se Selenepin
9, 80, **925–945** C_6Bi 1*H*-Bismuthepin
9, **971–992** C_6Si 1*H*-Silepin
1, 877; 9, **993–1022** C_6Ge 1*H*-Germepin
9, **993–1022** C_6Sn 1*H*-Stannepin
9, **993–1022**, 1029, 1030 C_6N 1*H*-Azepine
1, 13, 19, 25, 49, 79, 87, 370, 371, 519,
582, 646; 3, 60, 251, 432; 4, 236; 5,
194, 243; 6, 934; 7, 34; 8, 1127, 1130;
9, **1–43**, **45–66**, 421, 441, 782 C_6Te Tellurepin
9, **925–945** C_6O Oxepin
1, 100, 103, 115, 401, 738, 789, 1, 152,
156; 2, 412; 6, 754, 934; 9, 440, 484,
508 N_3S_4 1,2,4,6,3,5,7-Trihydrotetrathiatriazepine
4, 430, 450

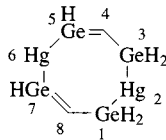
CN₄S₃
Pentahydro-1,3,5,2,4,6,8-trithia-
tetrazocine
9, 730



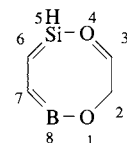
C₄BNOSi
2*H*-1,6,2,5-Oxazasilaborocine
9, 1016



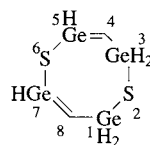
C₂Ge₄Hg₂
1*H*-1,3,5,2,6-Tetragermadimercuriocin
3, 816



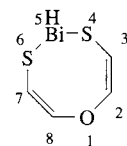
C₄BO₂Si
1,4,5,8-Dioxasilaborocin
9, 1016



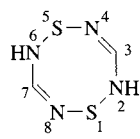
C₂Ge₄S₂
2,6,1,3,5,7-Dithiatetragermocane
9, 1005



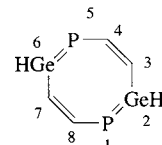
C₄BiOS₂
1,4,6,5-Oxadithiabismuthocin
9, 992



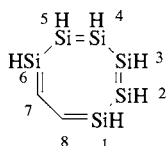
C₂N₄S₂
2*H*,6*H*-1,5,2,4,6,8-Dithiatetrazocine
7, 142; 9, 304, **705–735**



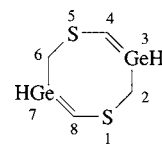
C₄Ge₂P₂
1,5,2,6-Diphosphadigermocin
1, 1179



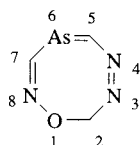
C₂Si₆
1,2,3,4,5,6-Hexasilocin
1, 329



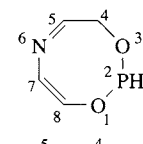
C₄Ge₂S₂
2*H*-1,5,3,7-Dithiadigermocin
1, 1180



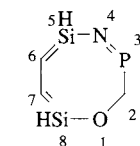
C₃AsN₃O
2*H*-1,3,4,8,6-Oxatriazarsocine
2, 44



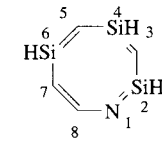
C₄NO₂P
4*H*-1,3,6,2-Dioxazaphosphocine
8, 871, 887



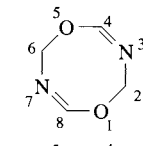
C₃NOPSi₂
2*H*-1,4,3,5,8-Oxazaphosphadisilocine
9, 1015



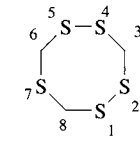
C₄NSi₃
1,2,4,6-Azatrisilocine
9, 1015



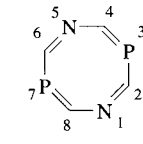
C₄N₂O₂
2*H*,6*H*-1,5,3,7-Dioxadiazocine
9, **705–735**



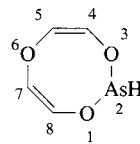
C₃S₅
1,2,4,5,7-Pentathiocane
9, **705–735**



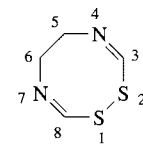
C₄N₂P₂
1,5,3,7-Diazadiphosphocine
9, 964



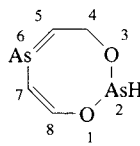
C₄AsO₃
1,3,6,2-Trioxarsocin
9, 987



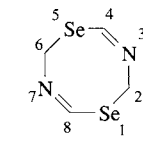
C₄N₂S₂
1,2,4,7-Dithiadiazocine
7, 851; 9, **705–735**



C₄As₂O₂
4*H*-1,3,2,6-Dioxadiarsocin
9, 985



C₄N₂Se₂
2*H*,6*H*-1,5,3,7-Diselenadiazocine
9, 933, 937



1,2,5,6-Tetrazocine
1, 947; 8, 796

1,3,5,7-Tetrazocine

6, 817; 7, 166; 8, 765; 9, **705-735**6*H*-1,5,2,4-Dioxadithiocin
9, **705-735**

1,5,2,6-Dioxadithiocin

1, 1103

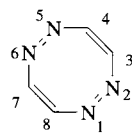
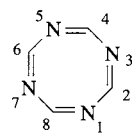
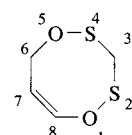
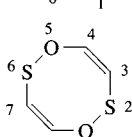
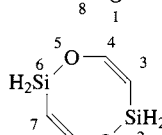
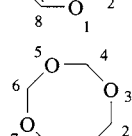
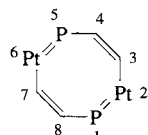
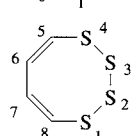
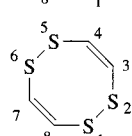
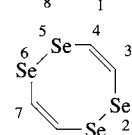
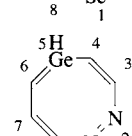
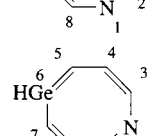
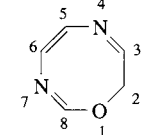
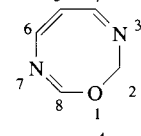
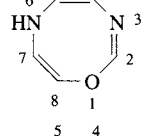
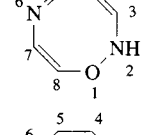
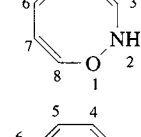
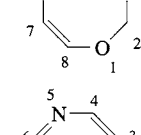
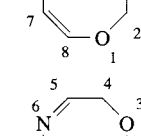
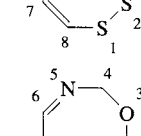
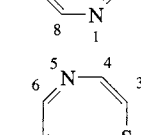
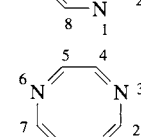
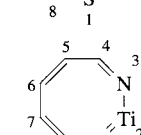
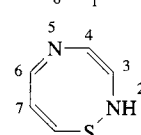
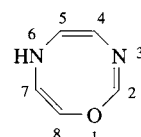
2*H*,6*H*-1,5,2,6-Dioxadisilocin
9, 10151,3,5,7-Tetroxocane
9, **705-735**1,5,2,6-Diphosphadiplatinocin
1, 2941,2,3,4-Tetrathiocin
1, 1124

1,2,5,6-Tetrathiocin

4, 444; 9, 396, **705-735**1,2,5,6-Tetraselenocin
9, 9371,2,5-Diazagermocine
9, 1015

1,2,6-Diazagermocine

9, 608

6*H*-1-Oxa-3,6-diazocine
1, 882*H*-1,2,5-Thiadiazocine
3, 3391,3-Diaza-2-titanacyclooctatetraene
1, 8991,3,6-Triazocine
1, 88; 9, **651-703**1,2,5-Dithiazocine
9, 227, **651-703**4*H*-1,3,5-Dioxazocine
9, **651-703**4*H*-1,3,6-Dioxazocine
9, **651-703**2*H*-1,2,5-Oxadiazocine
9, **651-703**2*H*-1,2,6-Oxadiazocine
9, **651-703**2*H*-1,3,6-Oxadiazocine
9, **651-703**2*H*-1,3,7-Oxadiazocine
9, **651-703**2*H*-1,4,7-Oxadiazocine
9, **651-703**

C_5N_2S

C_5N_2S

4*H*-1,2,5-Thiadiazocine
9, 651–703

4*H*-1,2,6-Thiadiazocine
9, 651–703

2*H*-1,3,6-Thiadiazocine
9, 651–703

2*H*-1,3,7-Thiadiazocine
9, 651–703

2*H*-1,4,7-Thiadiazocine
9, 651–703

C_5O_3

1,3,6-Trioxocane
9, 651–703

C_5PO_2

4*H*-1,3,2-Dioxaphosphocin
9, 651–703

C_5S_3

6*H*-1,3,5-Trithiocin
9, 651–703

C_6AsN

1,5-Azarsocin
9, 974

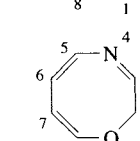
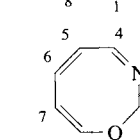
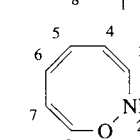
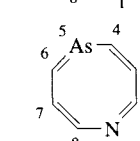
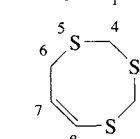
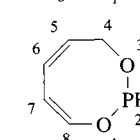
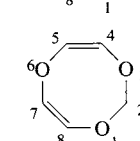
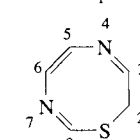
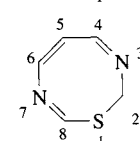
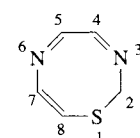
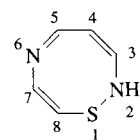
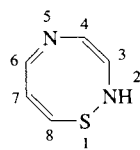
C_6NO

2*H*-1,2-Oxazocine
9, 459–494

2*H*-1,3-Oxazocine
9, 495–525

2*H*-1,4-Oxazocine
8, 55; 9, 527–590

Ring Index (8)



C_6NS

2*H*-1,2-Thiazocine
9, 459–494

1,3-Thiazocine
9, 495–525

2*H*-1,4-Thiazocine
9, 527–590

C_6NSi

2*H*-1,5-Azasilocine
9, 1006

C_6N_2

1,2-Diazocine
9, 459–494

1,3-Diazocine
9, 495–525

1,4-Diazocine
1, 84; 9, 527–590

1,5-Diazocine
1, 74, 525, 585; 8, 778, 784, 785;
9, 591–650

C_6OS

1,2-Oxathiocin
9, 459–494

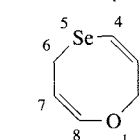
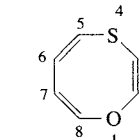
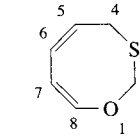
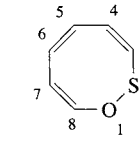
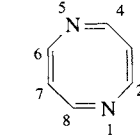
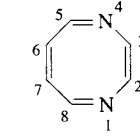
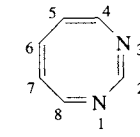
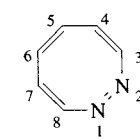
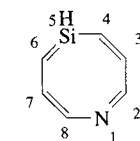
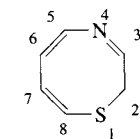
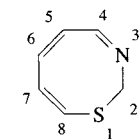
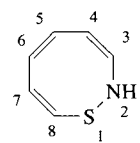
4*H*-1,3-Oxathiocin
9, 495–525

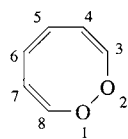
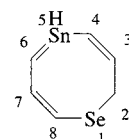
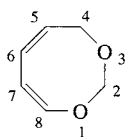
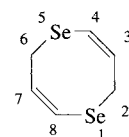
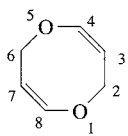
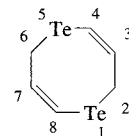
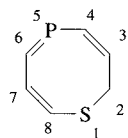
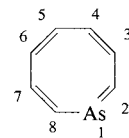
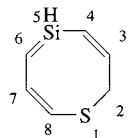
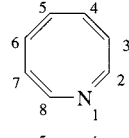
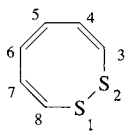
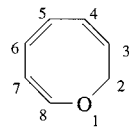
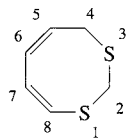
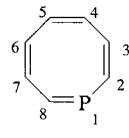
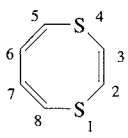
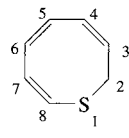
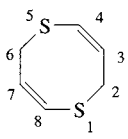
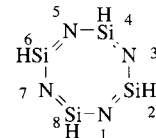
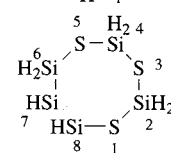
1,4-Oxathiocin
2, 518, 535, 704; 9, 527–590

C_6OSe

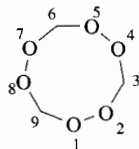
2*H*,6*H*-1,5-Oxaselenocin
9, 932

648

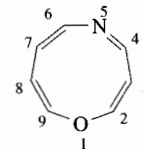


1,2-Dioxocin
9, 459–4942*H*-1,5-Selenastannocin
9, 10054*H*-1,3-Dioxocin
9, 495–5252*H*,6*H*-1,5-Diselenocin
8, 846; 9, 939, 9442*H*,6*H*-1,5-Dioxocin
9, 281, 591–6502*H*,6*H*-1,5-Ditellurocin
8, 8462*H*-1,5-Thiaphosphocin
9, 954Arsocin
9, 971–9922*H*-1,5-Thiasilocin
9, 1005Azocine
1, 12, 19; 3, 432; 5, 151; 6, 754; 8, 10; 9, 403–428, 4421,2-Dithiocin
3, 590, 604; 9, 459–4942*H*-Oxocin
9, 429–4484*H*-1,3-Dithiocin
9, 495–525Phosphocin
9, 9521,4-Dithiocin
8, 837; 9, 293, 527–5902*H*-Thiocin
5, 537, 576; 9, 449–4572*H*,6*H*-1,5-Dithiocin
2, 631; 8, 842, 845; 9, 591–6501,3,5,7,2,4,6,8-Tetrazatetrasilocine
6, 128; 9, 3952*H*,4*H*,6*H*-1,3,5,2,4,6,7,8-Tri-thiapentasilocin
1, 1179

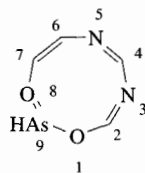
C_3O_6
1,2,4,5,7,8-Hexoxonane
9, 737-788



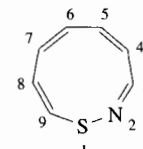
C_7NO
1,5-Oxazonine
9, 737-788



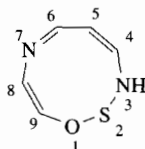
$C_4AsN_2O_2$
1,8,3,5,9-Dioxadiazarsonine
2, 44



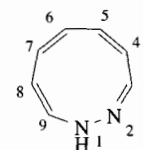
C_7NS
1,2-Thiazonine
5, 579



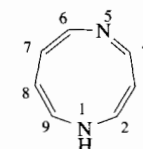
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9, 737-788



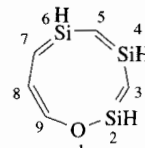
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1H-1,2-Diazonine
9, 737-788



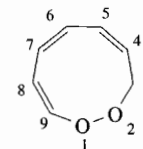
1H-1,5-Diazonine
8, 298, 784



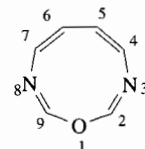
C_5OSi_3
1,2,4,6-Oxatrisilonin
9, 1015



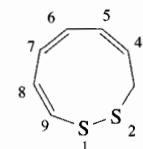
C_7O_2
3H-1,2-Dioxonin
9, 737-788



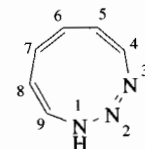
C_6N_2O
1,3,8-Oxadiazonine
9, 737-788



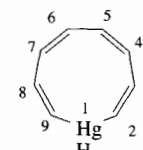
C_7S_2
3H-1,2-Dithionin
9, 737-788



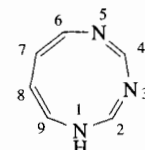
C_6N_3
1H-1,2,3-Triazonine
9, 300



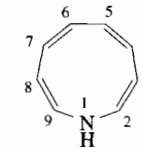
C_8Hg
1H-Mercuronin
9, 1033-1037



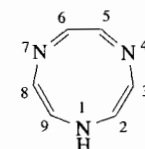
1H-1,3,5-Triazonine
8, 404



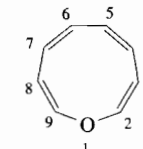
C_8N
1H-Azonine
9, 737-788



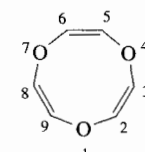
1H-1,4,7-Triazonine
3, 28; 8, 946, 947, 961



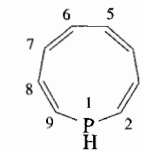
C_8O
Oxonin
9, 242, 245



C_6O_3
1,4,7-Trioxonin
9, 911



C_8P
1H-Phosphonin
1, 292



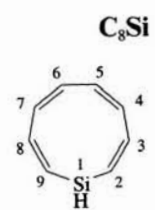
651

C_8S
Thionin
8, 840; 9, **737-788**

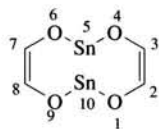
Ring Index (9)



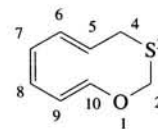
C_8Si
1*H*-Silonin
1, 315



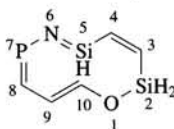
$C_4O_4Sn_2$
1,4,6,9,5,10-Tetraoxadistannecin
9, 577



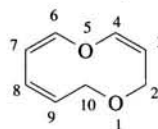
C_8OS
4*H*-1,3-Oxathiecin
9, 517



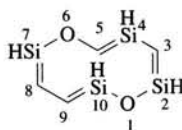
C_4NOPSi_2
2*H*-1,6,7,2,5-Oxazaphosphadisilecin
9, 1015



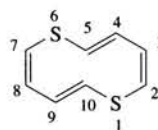
C_8O_2
2*H*-1,5-Dioxecin
1, 789



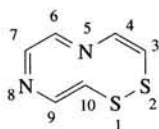
$C_4O_2Si_4$
1,6,2,4,7,10-Dioxatetrasilicin
9, 1007



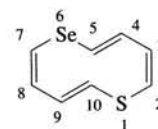
C_8S_2
1,6-Dithiecin
2, 633



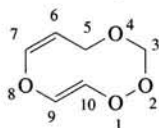
$C_6N_2S_2$
1,2,5,8-Dithiadiazecine
9, 348



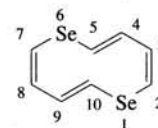
C_8SSe
1,6-Thiaselenecin
9, 941



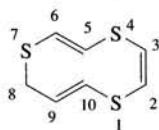
C_6O_4
5*H*-1,2,4,8-Tetraoxecin
9, 809–842



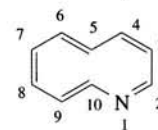
C_8Se_2
1,6-Diselenecin
8, 846; 9, 927



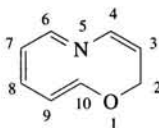
C_7S_3
8*H*-1,4,7-Trithiecin
9, 843–862



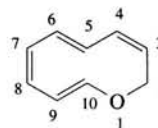
C_9N
Azecine
9, 786



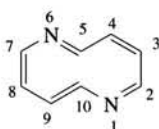
C_8NO
2*H*-1,5-Oxazecine
8, 582



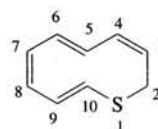
C_9O
2*H*-Oxonin
6, 631; 9, 518



C_8N_2
1,6-Diazecine
9, 789–807

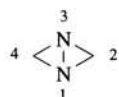


C_9S
2*H*-Thiecin
2, 720; 5, 577



3,3-3,8

CN₂-CN₂
1,3-Diazabicyclo[1.1.0]butane
1, 349



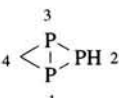
1,2,4,5-Tetraazaspiro[2.2]pentane
1, 349



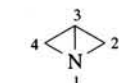
CN₂-C₃
1,2-Diazaspiro[2.2]pentane
1, 570



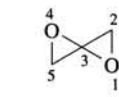
CP₂-P₃
1,2,3-Triphosphabicyclo[1.1.0]butane
1, 470, 481



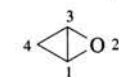
C₂N-C₂N
1-Azabicyclo[1.1.0]butane
1, 72, 532; 8, 284



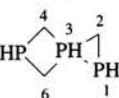
C₂O-C₂O
1,4-Dioxaspiro[2.2]pentane
1, 442



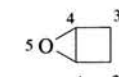
C₂O-C₃
2-Oxabicyclo[1.1.0]butane
1, 148



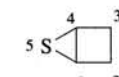
CP₂-C₃P
1,3,5-Triphosphaspiro[2.3]hexane
1, 478



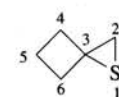
C₂O-C₄
5-Oxabicyclo[2.1.0]pentane
1, 149, 150, 154



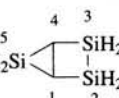
C₂S-C₄
5-Thiabicyclo[2.1.0]pentane
1, 201, 253, 254; 2, 493



1-Thiaspiro[2.3]hexane
1, 204

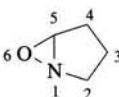


C₂Si-C₂Si₂
1,2,5-Trisilabicyclo[2.1.0]pentane
1, 324

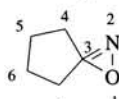


3,5

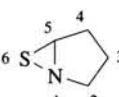
CNO-C₄N
6-Oxa-1-azabicyclo[3.1.0]hexane
1, 422



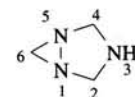
CNO-C₅
1-Oxa-2-azaspiro[2.4]heptane
1, 370



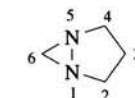
CNS-C₄N
6-Thia-1-azabicyclo[3.1.0]hexane
1, 422



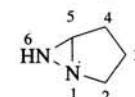
CN₂-C₂N₃
1,3,5-Triazabicyclo[3.1.0]hexane
1, 357; 4, 145



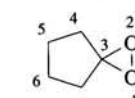
CN₂-C₃N₂
1,5-Diazabicyclo[3.1.0]hexane



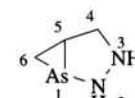
CN₂-C₄N
1,6-Diazabicyclo[3.1.0]hexane
1, 355, 357, 358



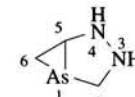
CO₂-C₅
1,2-Trioxaspiro[2.4]heptane
1, 454



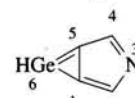
C₂As-C₂AsN₂
2,3-Diaza-1-arsabicyclo[3.1.0]hexane
1, 303



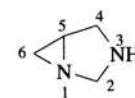
3,4-Diaza-1-arsabicyclo[3.1.0]hexane
1, 304



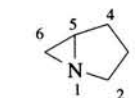
C₂Ge-C₄N
3-Aza-6-germabicyclo[3.1.0]hexane
1, 323, 331



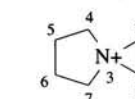
C₂N-C₃N₂
1,3-Diazabicyclo[3.1.0]hexane
1, 79, 82



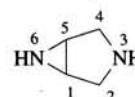
C₂N-C₄N
1-Azabicyclo[3.1.0]hexane
1, 83, 93; 8, 91



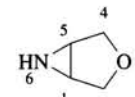
3-Azoniaspiro[2.4]heptane
8, 1109-1133



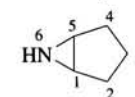
3,6-Diazabicyclo[3.1.0]hexane
1, 18; 7, 97



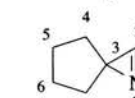
C₂N-C₄O
3-Oxa-6-azabicyclo[3.1.0]hexane
1, 74, 76, 85, 86



C₂N-C₅
6-Azabicyclo[3.1.0]hexane
1, 63, 67, 71, 74, 79, 80, 81, 87; 5, 228



1-Azaspiro[2.4]heptane
1, 66



C₂O-C₄O

C₂O-C₄O

2,6-Dioxabicyclo[3.1.0]hexane
1, 157, 159; 4, 593

3,6-Dioxabicyclo[3.1.0]hexane
1, 163; 5, 386

C₂O-C₄Si

6-Oxa-2-silabicyclo[3.1.0]hexane
2, 918

C₂O-C₅

6-Oxabicyclo[3.1.0]hexane
1, 129, 146, 161, 162; 3, 801

1-Oxaspiro[2.4]heptane
1, 442

C₂P-C₂N₂P

2,3-Diaza-1-phosphabicyclo
[3.1.0]hexane
1, 286, 302

C₂P-C₂O₂P

4,7-Dioxa-3-phosphaspiro[2.4]heptane
1, 282

C₂P-C₄P

1-Phosphabicyclo[3.1.0]hexane
1, 293, 297, 302

C₂S-C₃N₂

6-Thia-2,3-diazabicyclo[3.1.0]hexane
1, 201

C₂S-C₃S₂

2,4,6-Trithiabicyclo[3.1.0]hexane
1, 201

C₂S-C₅

6-Thiabicyclo[3.1.0]hexane
1, 247, 258

C₂Se-C₄O

3-Oxa-6-selenabicyclo[3.1.0]hexane
1, 260, 268

C₂Si-C₄Si

2,6-Disilabicyclo[3.1.0]hexane
1, 327

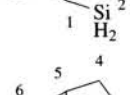
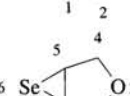
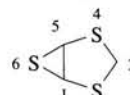
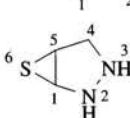
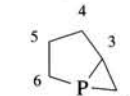
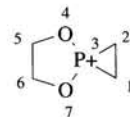
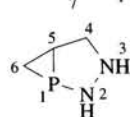
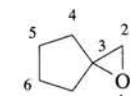
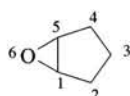
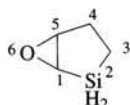
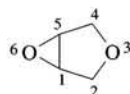
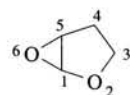
C₂Si-C₅

6-Silabicyclo[3.1.0]hexane
1, 311

C₃-C₃BO

3-Oxa-2-borabicyclo[3.1.0]hexane
1, 20, 31

Ring Index (3,3-3,8)



C₃-C₃NO

2-Oxa-3-azabicyclo[3.1.0]hexane
3, 236; 7, 122, 133

C₃-C₄As

2-Arsabicyclo[3.1.0]hexane
5, 681

C₃-C₄N

2-Azabicyclo[3.1.0]hexane
1, 16; 5, 140, 162, 231

3-Azabicyclo[3.1.0]hexane

5, 136; 7, 84

C₃-C₄O

2-Oxabicyclo[3.1.0]hexane
4, 145; 5, 445

C₃-C₄P

2-Phosphabicyclo[3.1.0]hexane
5, 665

3-Phosphabicyclo[3.1.0]hexane
5, 662, 663, 664

C₃-C₄S

2-Thiabicyclo[3.1.0]heptane
2, 518, 543

3-Thiabicyclo[3.1.0]heptane
2, 527, 554, 660

3,6

CNO-C₅N

7-Oxa-1-azabicyclo[4.1.0]heptane
9, 185

CNO-C₆

1-Oxa-2-azaspiro[2.5]octane
1, 366, 368, 369, 370, 371, 376, 377,
378, 380; 4, 341; 6, 187; 9, 32

CN₂-C₅N

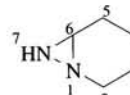
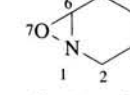
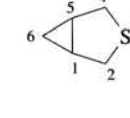
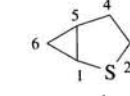
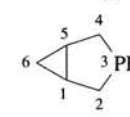
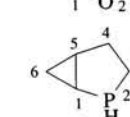
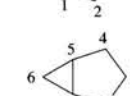
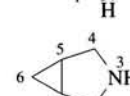
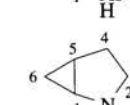
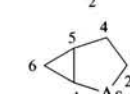
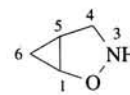
1,7-Diazabicyclo[4.1.0]heptane
1, 354

CO₂-C₆

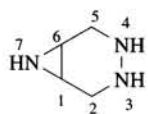
1,2-Dioxaspiro[2.5]octane
1, 433, 442, 448, 454

C₂B-C₆

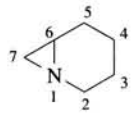
7-Borabicyclo[4.1.0]heptane
1, 335, 336, 342, 343, 345; 9, 1024



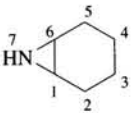
$C_2N-C_4N_2$
3,4,7-Triazabicyclo[4.1.0]heptane



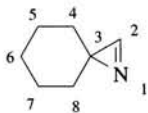
C_2N-C_5N
1-Azabicyclo[4.1.0]heptane
1, 30; 5, 148



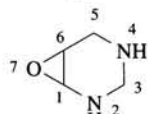
C_2N-C_6
7-Azabicyclo[4.1.0]heptane
1, 43, 44, 46, 49, 63, 67, 69, 70, 71, 74,
75, 79, 80, 81, 87, 87



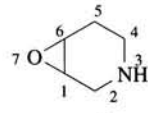
1-Azaspiro[2.5]octane
1, 50



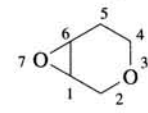
$C_2O-C_4N_2$
7-Oxa-2,4-diazabicyclo[4.1.0]heptane
1, 441



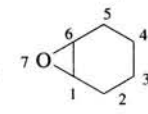
C_2O-C_5N
3-Oxa-7-azabicyclo[4.1.0]heptane
1, 73



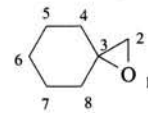
C_2O-C_5O
3,7-Dioxabicyclo[4.1.0]heptane
1, 73, 440, 164; 3, 560



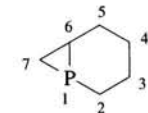
C_2O-C_6
7-Oxabicyclo[4.1.0]heptane
1, 112, **145-171**, 391, 392, 441; 2, 171;
5, 327; 9, **45-66**



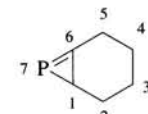
1-Oxaspiro[2.5]octane
1, 103, 104, 131, 820, 1066; 6, 474



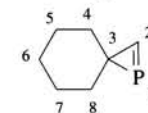
C_2P-C_5P
1-Phosphabicyclo[4.1.0]heptane
1, 292, 302



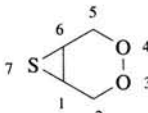
C_2P-C_6
7-Phosphabicyclo[4.1.0]heptane
1, 286, 290, 296, 297



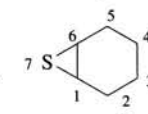
1-Phosphaspiro[2.5]octane
1, **277-304**



$C_2S-C_4O_2$
3-Dioxa-4,7-thiabicyclo[4.1.0]heptane
1, 220



C_2S-C_6
7-Thiabicyclo[4.1.0]heptane
1, 201, 242, 244, 245, 247, 248, 249,
257, 267, 1125



1-Thiaspiro[2.5]octane
1, 217, 219, 231

C_2Se-C_6
7-Selenabicyclo[4.1.0]heptane
1, 266, 267

$C_3-C_4N_2$
3,4-Diazabicyclo[4.1.0]heptane
6, 73, 918, 951

$C_3-C_4O_2$
2,5-Dioxabicyclo[4.1.0]heptane
9, 280

C_3-C_5N
2-Azabicyclo[4.1.0]heptane
5, 148

3-Azabicyclo[4.1.0]heptane
5, 186

C_3-C_5O
2-Oxabicyclo[4.1.0]heptane
3, 521

3,7

C_2Ge-C_6S
4-Thia-8-germabicyclo[5.1.0]octane
1, 308, 309, 323, 330

C_2N-C_7
8-Azabicyclo[5.1.0]octane
1, 83

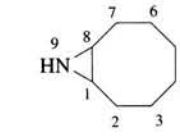
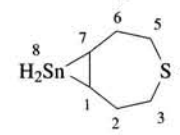
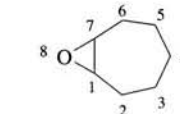
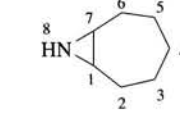
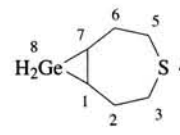
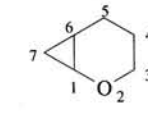
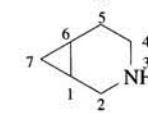
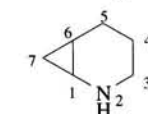
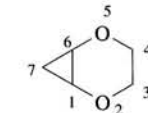
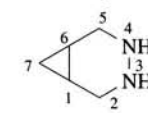
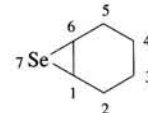
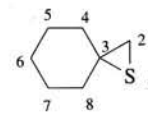
C_2O-C_7
8-Oxabicyclo[5.1.0]octane
1, 146, 168

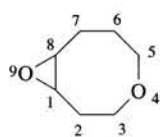
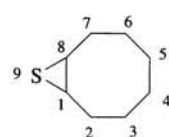
C_2Sn-C_6S
4-Thia-8-stannabicyclo[5.1.0]octane
1, 308, 309, 330

3,8

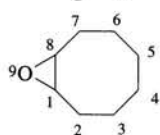
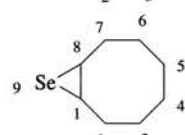
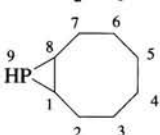
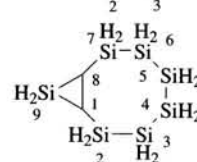
C_2N-C_8
9-Azabicyclo[6.1.0]nonane
1, 65, 76; 9, 786

C_2N-C_8



C₂O-C₇OC₂O-C₇O4,9-Dioxabicyclo[6.1.0]nonane
9, 434*Ring Index (3,3-3,8)*C₂S-C₈9-Thiabicyclo[6.1.0]nonane
1, 244, 255, 258; 9, 750

656

C₂O-C₈9-Oxabicyclo[6.1.0]nonane
1, 146, 147, 152, 158, 168; 9, 783C₂Se-C₈9-Selenabicyclo[6.1.0]nonane
1, 275C₂P-C₈9-Phosphabicyclo[6.1.0]nonane
1, 255, 282, 292, 302; 9, 950C₂Si-C₂Si₆2,3,4,5,6,7,9-
Heptasilabicyclo[6.1.0]nonane
1, 329

4,4-4,8

C_2NO-C_3N
2-Oxa-1-azabicyclo[2.2.0]hexane
1, 588

$C_2N_2-C_3N$
1,3-Diazabicyclo[2.2.0]hexane
6, 205

$C_2N_2-C_4$
2,3-Diazabicyclo[2.2.0]hexane
1, 933, 934, 945; 9, 137

$C_2O_2-C_4$
2,3-Dioxabicyclo[2.2.0]hexane
1, 586

C_3N-C_3N
1-Azabicyclo[2.2.0]hexane
1, 76, 587, **659-720**
1-Azabicyclo[1.1.1]pentane
1, 512

4-Azaspiro[3.3]heptane
2, **1-38**

2,6-Diazabicyclo[2.2.0]hexane
1, 669

C_3N-C_4
2-Azabicyclo[2.2.0]hexane
1, 571, 820; 5, 228; 6, 328; 9, 34,
178, 219, 502

C_3O-C_4
2-Oxabicyclo[2.2.0]hexane
6, 754

C_3P-C_4
2-Phosphabicyclo[2.2.0]hexane
1, 303

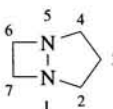
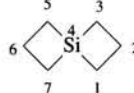
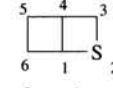
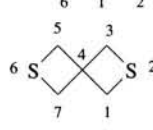
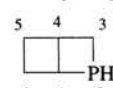
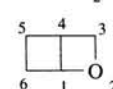
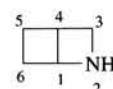
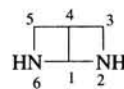
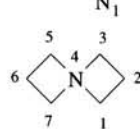
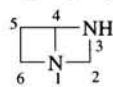
C_3S-C_3S
2,6-Dithiaspiro[3.3]heptane
1, **803-821**

C_3S-C_4
2-Thiabicyclo[2.2.0]hexane
2, 655

C_3Si-C_3Si
4-Silaspiro[3.3]heptane
1, 874

4,5

$C_2N_2-C_3N_2$
1,5-Diazabicyclo[3.2.0]heptane
1, 935; 3, 63



$C_2N_2-C_5$
6,7-Diazabicyclo[3.2.0]heptane
5, 150

$C_2Si_2-C_4Si$
5,6-Disilabicyclo[2.1.1]hexane
1, 327

C_3N-C_2BNO
3-Oxa-1-aza-2-borabicyclo
[2.1.1]heptane
1, 521

C_3N-C_3NO
3-Oxa-1-azabicyclo[3.2.0]heptane
1, 513, 514, 685

4-Oxa-1-azabicyclo[3.2.0]heptane
1, 657

4-Oxa-2,6-diazabicyclo
[3.2.0]heptane
1, 606, 710

C_3N-C_3NS
4-Thia-1-azabicyclo[3.2.0]heptane
1, 444, 601, 603, 604, 605, 619,
623-658; 2, 325, 409; 3, 377,
398, 456, 465, 365; 4, 139; 6, 571;
8, 67, 70, 75, 957; 9, 226, 227

$C_3N-C_3N_2$
1,4-Diazabicyclo[3.2.0]heptane
1, 21; 9, 178

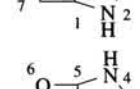
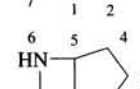
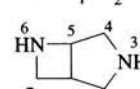
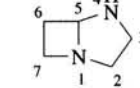
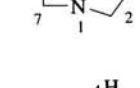
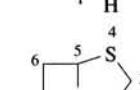
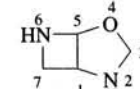
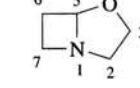
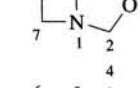
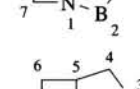
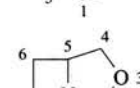
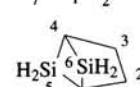
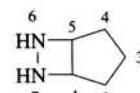
C_3N-C_4N
1-Azabicyclo[3.2.0]heptane
1, 32, 56, **659-720**; 4, 304, 675; 5,
163; 7, 94, 105; 7, 107
2,6-Diazabicyclo[3.2.0]heptane
1, 617

3,6-Diazabicyclo[3.2.0]heptane
1, 679

$C_3O-C_3N_2$
6-Oxa-2,4-diazabicyclo
[3.2.0]heptane
1, 717

C_3O-C_4O
2,7-Dioxabicyclo[3.2.0]heptane
1, 440; 2, 336

4,7-Dioxabicyclo[3.2.0]heptane
1, **755-771**



C₃O-C₅

C₃O-C₅
6-Oxabicyclo[3.2.0]heptane
1, 755-771

C₄-C₃NO
2-Oxa-4-azabicyclo[3.2.0]heptane
1, 10; 5, 233

C₄-C₃N₂
2,3-Diazabicyclo[3.2.0]heptane
1, 82, 354

C₄-C₄N
2-Azabicyclo[3.2.0]heptane
7, 108

C₄-C₄O
2-Oxabicyclo[3.2.0]heptane
2, 324; 6, 755; 7, 855

3-Oxabicyclo[3.2.0]heptane
7, 26

C₄-C₄S
2-Thiabicyclo[3.2.0]heptane
2, 496, 693

3-Thiabicyclo[3.2.0]heptane
2, 500, 526, 554; 7, 855; 9, 60

4,6

C₂N₂-C₄N₂
1,6-Diazabicyclo[4.2.0]octane
1, 953; 8, 39, 792

C₂OS-C₅O
7-Oxa-6-thiabicyclo[3.1.1]heptane
1, 436, 437

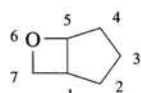
C₂O₂-C₄O₂
2,5,7,8-Tetraoxabicyclo[4.2.0]octane
1, 1061, 1069

C₂S₂-C₅S
6,7-Dithiabicyclo[3.1.1]heptane
1, 448, 449

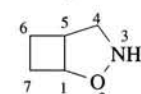
C₃N-C₄BN
1-Thia-5-borabicyclo[4.2.0]octane
1, 239

C₃N-C₃N₂S
5-Thia-1,3-diazabicyclo[4.2.0]octane
6, 799

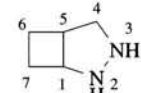
Ring Index (4,4-4,8)



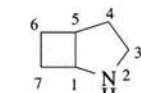
C₃N-C₃N₃
1,2,4-Triazabicyclo[4.2.0]octane
6, 545, 547



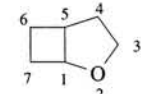
C₃N-C₄NO
4-Oxa-1-azabicyclo[4.2.0]octane
1, 591-622



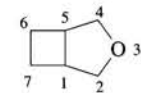
5-Oxa-1-azabicyclo[4.2.0]octane
1, 591-622, 659-720; 6, 344



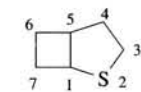
C₃N-C₄NS
3-Thia-1-azabicyclo[4.2.0]octane
6, 398



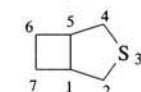
4-Thia-1-azabicyclo[4.2.0]octane
1, 591-622, 629, 640



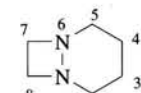
5-Thia-1-azabicyclo[4.2.0]octane
1, 591-622, 698; 2, 409; 3, 365; 4, 353, 408; 6, 398, 399, 411, 571; 8, 685, 694



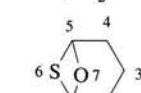
C₃N-C₄N₂
1,3-Diazabicyclo[4.2.0]octane
1, 75



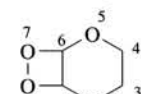
C₃N-C₅N
1-Azabicyclo[4.2.0]octane
1, 591-622



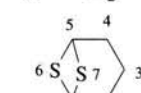
2,7-Diazabicyclo[4.2.0]octane
1, 617



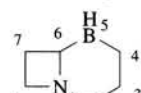
C₃N-C₆
7-Azabicyclo[4.2.0]octane
1, 584; 6, 489; 9, 147, 362



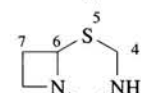
1-Azasp[iro][3.5]nonane
1, 564



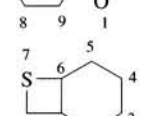
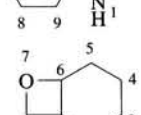
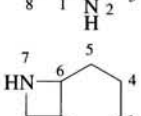
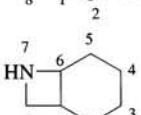
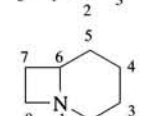
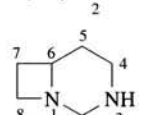
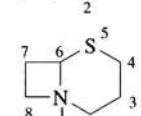
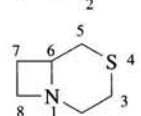
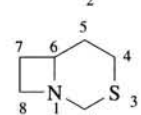
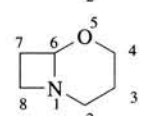
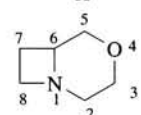
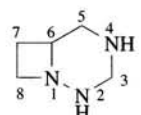
C₃O-C₆
7-Oxabicyclo[4.2.0]octane
2, 336



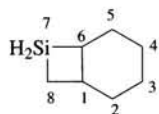
1-Oxasp[iro][3.5]nonane
4, 51



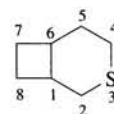
C₃S-C₆
7-Thiabicyclo[4.2.0]octane
1, 249, 382, 784, 786, 805, 814, 819; 2, 539; 3, 365, 367; 5, 603, 611; 6, 398, 405, 443, 642; 7, 850; 9, 624, 644, 648, 649



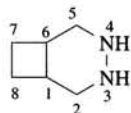
C_3Si-C_6
7-Silabicyclo[4.2.0]octane
2, 910



C_4-C_5S
3-Thiabicyclo[4.2.0]octane
9, 449-457

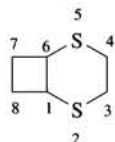


$C_4-C_4N_2$
3,4-Diazabicyclo[4.2.0]octane
6, 29, 920; 9, 465, 467

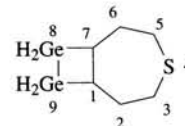


4,7

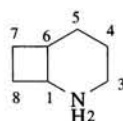
$C_4-C_4S_2$
2,5-Dithiabicyclo[4.2.0]octane
9, 585



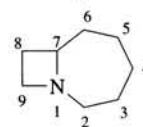
$C_2Ge_2-C_6S$
4-Thia-8,9-digermbicyclo
[5.2.0]nonane
1, 323



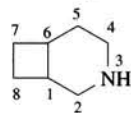
C_4-C_5N
2-Azabicyclo[4.2.0]octane
5, 151, 220



C_3N-C_6N
1-Azabicyclo[5.2.0]nonane
1, 667

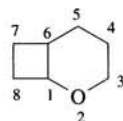


3-Azabicyclo[4.2.0]octane
5, 136; 7, 557, 885

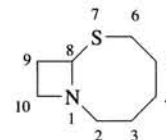


4,8

C_4-C_5O
2-Oxabicyclo[4.2.0]octane
5, 394; 7, 557; 9, 440, 441

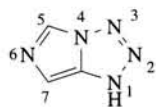


C_3N-C_6NS
7-Thia-1-azabicyclo[6.2.0]decane
1, 601

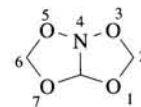


5,5-5,8

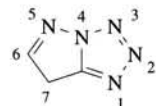
CN₄-C₃N₂
1*H*-Imidazo[3,4-*d*]tetrazole
8, 227-236



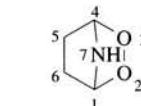
[1,3,4]Dioxazolo[2,3-*b*]-1,3,4-dioxazole
8, 199-226



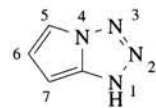
7*H*-Pyrrolo[1,5-*d*]tetrazole
8, 227-236



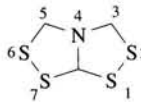
C₂NO₂-C₄N
2,3-Dioxa-7-azabicyclo[2.2.1]heptane
2, 191



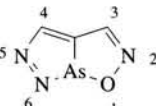
CN₄-C₄N
1*H*-Pyrrolotetrazole
8, 191-198



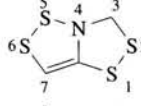
C₂NS₂-C₂NS₂
[1,2,4]Dithiazolo[3,4-*c*]-1,2,4-dithiazole
8, 199-226



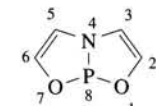
C₂AsNO-C₂AsN₂
[1,2,3]Diazaarsolo[4,3-*d*]
[1,2,5]oxarsole
4, 823



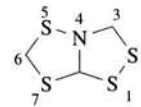
[1,2,3]Dithiazolo[4,3-*c*]-1,2,4-dithiazole
8, 199-226



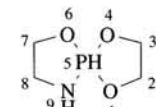
C₂NOP-C₂NOP
[1,3,2]Oxazaphospholo[2,3-*b*]
[1,3,2]oxazaphosphole
4, 801



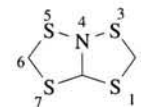
[1,3,4]Dithiazolo[3,2-*c*]-1,2,4-dithiazole
8, 199-226



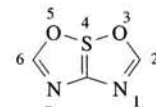
C₂NOP-C₂O₂P
1,4,6-Trioxa-9-aza-5λ⁵-phosphaspiro[4.4]nonane
8, 1163



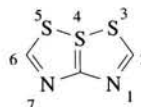
[1,3,4]Dithiazolo[2,3-*b*]-1,3,4-dithiazole
8, 199-226



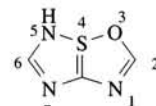
C₂NOS-C₂NOS
4λ⁴-[1,2,4]Oxathiazolo[2,3-*b*]
[1,2,4]oxathiazole
4, 714



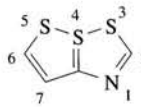
4λ⁴-[1,2,4]Dithiazolo[1,5-*b*]
[1,2,4]dithiazole
4, 716, 717; 6, 793; 8, 856, 858, 860



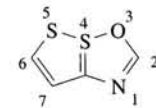
C₂NOS-C₂N₂S
5*H*-4λ⁴-[1,2,4]Thiadiazolo[1,5-*b*]
[1,2,4]oxathiazole
4, 714



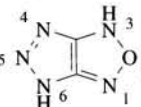
C₂NS₂-C₃S₂
4λ⁴-[1,2]Dithiolo[1,5-*b*]
[1,2,4]dithiazole
6, 818; 8, 857



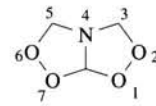
C₂NOS-C₃S₂
7λ⁴-[1,2]Dithiolo[1,5-*b*]
[1,2,5]oxathiazole
8, 860



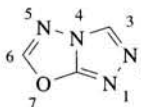
C₂N₂O-C₂N₃
6*H*-[1,2,3]Triazolo[4,5-*c*]
[1,2,5]oxadiazole
4, 248, 265



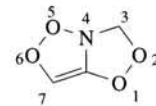
C₂NO₂-C₂NO₂
[1,2,4]Dioxazolo[3,4-*c*]-1,2,4-dioxazole
8, 199-226



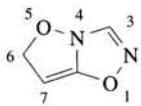
1,2,4-Triazolo[3,4-*b*]
[1,3,4]oxadiazole
4, 279



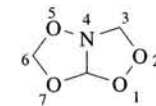
[1,2,3]Dioxazolo[4,3-*c*]-1,2,4-dioxazole
8, 199-226



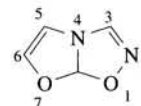
C₂N₂O-C₃NO
6*H*-Isoxazolo[2,3-*d*]-1,2,4-oxadiazole
4, 208, 216



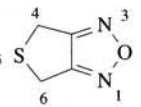
[1,3,4]Dioxazolo[3,2-*c*]-1,2,3-dioxazole
8, 199-226



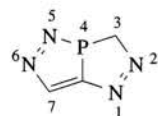
7*aH*-Oxazolo[3,2-*d*]-1,2,4-oxadiazole
3, 288



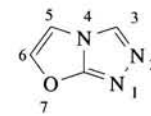
C₂N₂O-C₄S
4*H*,6*H*-Thieno[3,4-*c*]
[1,2,5]oxadiazole
4, 247



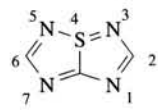
C₂N₂P-C₂N₂P
3*H*-1,2,4-Diazaphospholo[4,3-*c*]
[1,2,3]diazaphosphole
4, 792



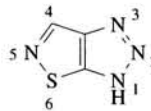
C₂N₃-C₃NO
Oxazolo[3,4-*c*][1,2,3]triazole
1, 76



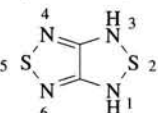
C₂N₂S-C₂N₂S
4*λ*⁴-[1,2,4]Thiadiazolo[5,1-*e*]
[1,2,4]thiadiazole
4, 710, 711, 714; 8, 854



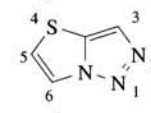
C₂N₃-C₃NS
1*H*-Isothiazolo[4,5-*d*]-1,2,3-triazole
3, 341



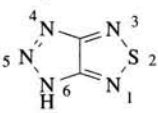
1*H*,3*H*-[1,2,5]Thiadiazolo[3,4-*c*]
[1,2,5]thiadiazole
7, 510



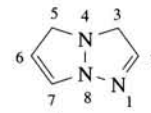
Thiazolo[3,2-*c*][1,2,3]triazole
4, 106; 8, 70



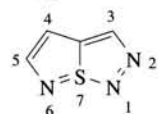
C₂N₂S-C₂N₃
6*H*-[1,2,3]Triazolo[4,5-*c*]
[1,2,5]thiadiazole
4, 121



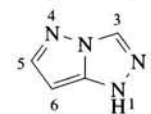
C₂N₃-C₃N₂
3*H*,5*H*-Pyrazolo[1,2-*a*][1,2,3]triazole
8, 961



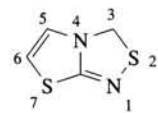
C₂N₂S-C₃NS
7*λ*-Isothiazolo[5,1-*e*]
[1,2,3]thiadiazole
8, 857



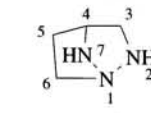
1*H*-Pyrazolo[5,1-*c*]-1,2,4-triazole
8, 123-190, 483; 9, 274



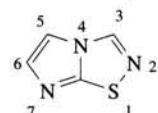
3*H*-Thiazolo[2,3-*c*]
[1,2,4]thiadiazole
3, 580



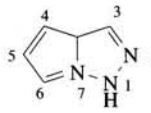
1,2,7-Triazabicyclo[2.2.1]heptane
4, 703



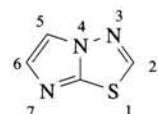
C₂N₂S-C₃N₂
Imidazo[1,2-*d*]-1,2,4-thiadiazole
4, 390, 408



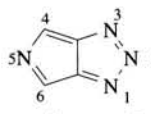
C₂N₃-C₄N
1*H*-Pyrrolo[1,2-*c*][1,2,3]triazole
4, 108



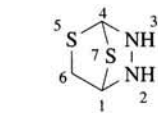
Imidazo[2,1-*b*]-1,3,4-thiadiazole
4, 404



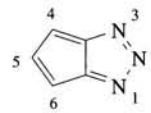
Pyrrlo[3,4-*d*]-1,2,3-triazole
1, 56



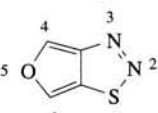
C₂N₂S-C₃S₂
5,7-Dithia-2,3-diazabicyclo
[2.2.1]heptane
3, 623



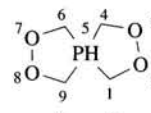
C₂N₃-C₅
Cyclopentatriazole
4, 107



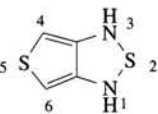
C₂N₂S-C₄O
1*H*,2*H*-Furo[3,4-*d*]-1,2,3-thiadiazole
1, 256



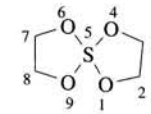
C₂O₂P-C₂O₂P
1,4,6,9-Tetraoxa-5*λ*⁵-
phosphaspiro[4.4]nonane
1, 1198



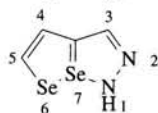
C₂N₂S-C₄S
1*H*,3*H*-Thieno[3,4-*c*]
[1,2,5]thiadiazole
2, 712; 7, 868



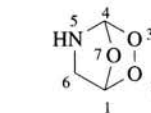
C₂O₂S-C₂O₂S
1,4,6,9-Tetraoxa-5*λ*⁴-
thiaspiro[4.4]nonane
4, 545-580



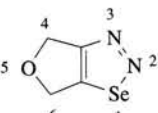
C₂N₂Se-C₃Se₂
1*H*-7*λ*⁴-[1,2]Diselenolo[5,1-*e*]
[1,2,3]selenadiazole
8, 856



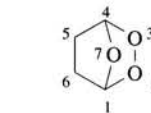
C₂O₃-C₃NO
2,3,7-Trioxa-5-
azabicyclo[2.2.1]heptane
4, 486



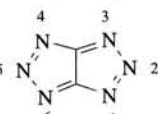
C₂N₂Se-C₄O
Furo[3,4-*d*]-1,2,3-selenadiazole
1, 268



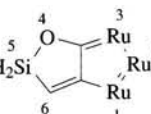
C₂O₃-C₄O
2,3,7-Trioxabicyclo[2.2.1]heptane
4, 583, 587, 591, 593; 7, 39, 106



C₂N₃-C₃N₃
[1,2,3]Triazolo[4,5-*d*]-1,2,3-triazole
3, 395; 4, 53; 7, 526

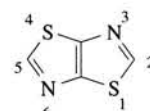
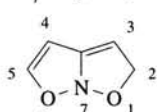
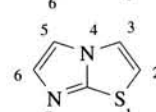
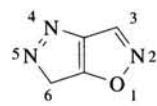
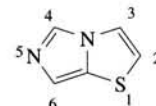
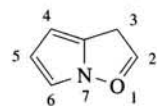
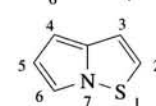
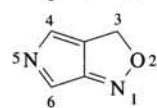
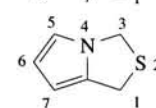
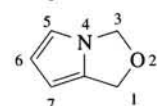
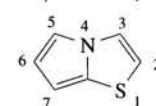
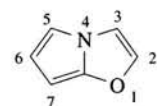
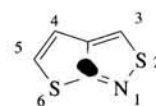
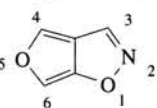
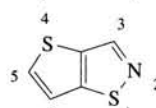
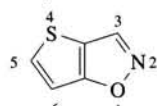
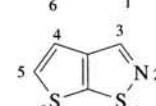
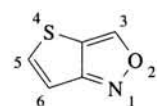
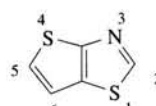
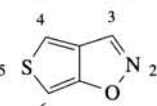
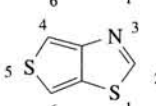
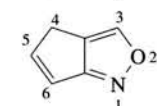
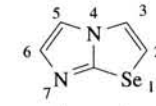
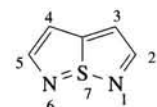
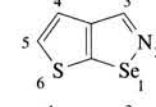
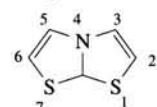
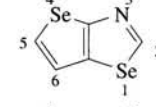
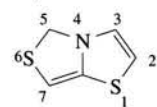
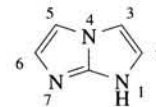


C₂Ru₃-C₃OSi
5*H*-[1,2]Oxasilolo[4,5-*d*]
[1,2,3]triruthenole
1, 322



C₃BN-C₃BNC₃BN-C₃BN1*H*,7*H*-[1,2]Azaborolo[1,2-*a*]
[1,2]azaborole
3, 739–766

Ring Index (5,5)

Thiazolo[5,4-*d*]thiazole
3, 453C₃NO-C₃NO2*H*-Isoxazolo[2,3-*b*]isoxazole
3, 259C₃NS-C₃N₂Imidazo[2,1-*b*]thiazole
3, 412, 429, 466; 6, 21; 8, 430C₃NO-C₃N₂6*H*-Pyrazolo[3,4-*d*]isoxazole
3, 236Imidazo[5,1-*b*]thiazole
1, 641; 3, 398; 8, 1006C₃NO-C₄NPyrrolo[1,2-*b*]isoxazole
8, 25–78C₃NS-C₄NPyrrolo[1,2-*b*]isothiazole
2, 495; 8, 25–783*H*-Pyrrolo[3,4-*c*]isoxazole
3, 2581*H*,3*H*-Pyrrolo[1,2-*c*]thiazole
2, 229; 3, 398, 404; 8, 25–78; 9, 5121*H*,3*H*-Pyrrolo[1,2-*c*]oxazole
8, 25–78Pyrrolo[2,1-*b*]thiazole
8, 25–78, 341, 956, 960, 992Pyrrolo[2,1-*b*]oxazole
3, 274; 8, 25–78, 956; 9, 556C₃NS-C₄SThieno[2,3-*c*]isothiazole
2, 663C₃NO-C₄OFuro[3,4-*d*]isoxazole
3, 253; 7, 49–87Thieno[2,3-*d*]isothiazole
9, 93C₃NO-C₄SThieno[2,3-*d*]isoxazole
2, 530; 7, 279; 8, 959Thieno[3,2-*d*]isothiazole
3, 355Thieno[3,2-*c*]oxazole
7, 49–87Thieno[2,3-*d*]thiazole
3, 452, 453; 4, 418; 7, 93Thieno[3,4-*d*]oxazole
2, 556; 3, 272Thieno[3,4-*d*]thiazole
2, 551, 645, 688, 702; 3, 429C₃NO-C₅4*H*-Cyclopent[*c*]isoxazole
3, 259C₃NSe-C₃N₂Imidazo[2,1-*b*]selenazole
3, 491C₃NS-C₃NS7*λ*⁴-Isothiazolo[5,1-*e*]isothiazole
3, 338; 8, 850C₃NSe-C₄SThieno[3,2-*d*]isoseleazole
3, 4897*aH*-Thiazolo[2,3-*b*]thiazole
8, 457C₃NSe-C₄SeSelenolo[2,3-*d*]selenazole
2, 7385*H*-Thiazolo[4,3-*b*]thiazole
8, 962C₃N₂-C₃N₂1*H*-Imidazo[1,2-*a*]imidazole
2, 505

Imidazo[4,5-*d*]imidazole
7, 115-139

Imidazo[4,5-*c*]pyrazole
7, 96

1*H*,5*H*-Pyrazolo[1,2-*a*]pyrazole
1, 935; 4, 60; 8, 747-832, 959, 960;
9, 137, 775

C₃N₂-C₄N
7*H*-Pyrrolo[1,2-*a*]imidazole
3, 429; 7, 415; 8, 25-78, 340

1*H*-Pyrrolo[1,2-*c*]imidazole
8, 25-78, 946

Pyrrolo[2,3-*c*]pyrazole
1, 82

1*H*-Pyrrolo[1,2-*b*]pyrazole
8, 25-78

Pyrrolo[3,4-*c*]pyrazole
4, 189; 8, 364, 961

C₃N₂-C₄P
Phospholo[2,3-*c*]pyrazole
2, 811

C₃N₂-C₄S
1*H*-Thieno[2,3-*d*]imidazole
2, 623

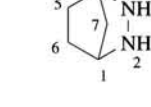
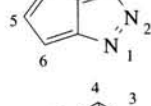
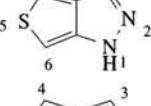
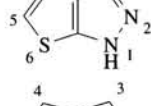
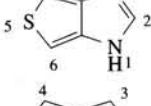
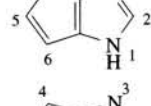
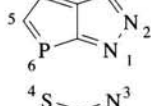
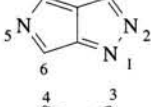
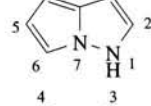
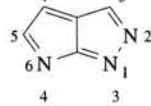
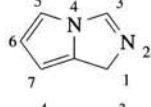
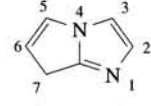
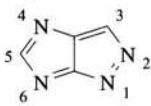
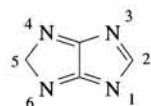
1*H*-Thieno[3,4-*d*]imidazole
2, 427, 500, 688

3*H*-Thieno[2,3-*c*]pyrazole
8, 187

1*H*-Thieno[3,4-*c*]pyrazole
2, 551, 556, 702; 3, 50, 58, 61

C₃N₂-C₅
Cyclopentapyrazole
6, 756; 9, 469

2,3-Diazabicyclo[2.2.1]heptane
3, 259



C₃OS-C₃S₂
7λ⁴-[1,2]Dithiolo[1,5-*b*]
[1,2]oxathiole
3, 578

2-Oxa-6,7-dithiabicyclo[2.2.1]
heptane
3, 623

C₃O₂-C₄O
2,7-Dioxabicyclo[2.2.1]heptane
1, 140

Furo[3,4-*d*]-1,3-dioxole
1, 90, 783, 959; 6, 266; 7, 457

C₃O₂-C₅
2,3-Dioxabicyclo[2.2.1]heptane
1, 155; 3, 514, 517, 520

1,4-Dioxaspiro[4.4]nonane
1, 85; 3, 545; 5, 534, 554; 8, 1164

C₃P₂-C₃P₂
1*H*,5*H*-[1,2]Diphospholo[1,2-*a*]
[1,2]diphosphole
9, 947-969

C₃S₂-C₃S₂
1*H*,5*H*-[1,2]Dithiolo[1,2-*a*]
[1,2]dithioledium
9, 636

7λ⁴-[1,2]Dithiolo[1,5-*b*][1,2]dithiole
1, 449; 3, 569-605; 6, 854

3*H*-[1,2]Dithiolo[4,3-*c*][1,2]dithiole
7, 115-139

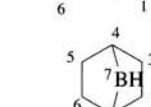
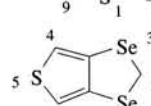
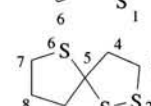
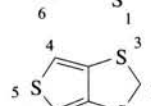
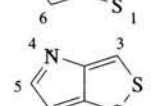
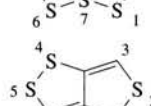
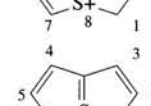
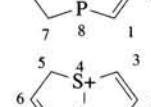
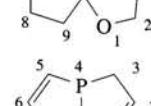
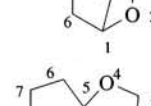
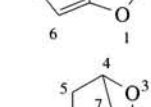
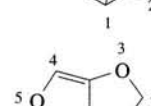
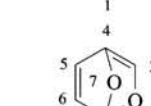
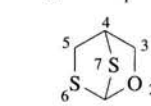
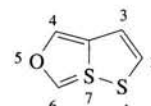
C₃S₂-C₄N
1,2-Dithiolo[4,3-*b*]pyrrole
3, 605

C₃S₂-C₄S
Thieno[3,4-*d*]-1,3-dithiole
2, 715, 715; 3, 649; 7, 99

1,2,6-Trithiaspiro[4.4]nonane
3, 594

C₃Se₂-C₄S
1,3-Diselenolo[4,5-*c*]thiophene
3, 694, 700

C₄B-C₄B
7-Borabicyclo[2.2.1]heptane
2, 932



C₄N-C₄NC₄N-C₄N

1-Azabicyclo[2.2.1]heptane
1, 78; 7, 103

1*H*-Pyrrolizine

1, 83, 90; 2, 691, 703; 3, 282; 7, 81, 83; 8, **1-24**, 49, 50, 303; 306, 309, 340, 862, 949, 1006, 1007, 1015; 9, 419, 421, 795

Pyrrolo[3,2-*b*]pyrrole

1, 74; 8, 952; 9, 37, 608

C₄N-C₄O

2*H*-Furo[2,3-*b*]pyrrole
7, **1-47**

2*H*-Furo[2,3-*c*]pyrrole
7, **1-47**

4*H*-Furo[3,2-*b*]pyrrole
7, **1-47**; 8, 956, 1014

1*H*-Furo[3,4-*b*]pyrrole
1, 78; 7, **1-47**; 8, 14

1*H*-Furo[3,4-*c*]pyrrole
9, 61

C₄N-C₄S

6*H*-Thieno[2,3-*b*]pyrrole
3, 396; 7, **1-47**

5*H*-Thieno[2,3-*c*]pyrrole
2, 574; 7, **1-47**

4*H*-Thieno[3,2-*b*]pyrrole
2, 496, 579; 7, **1-47**, 245; 8, 952

1*H*-Thieno[3,4-*b*]pyrrole
2, 200, 89; 7, **1-47**

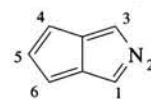
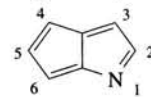
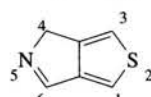
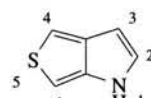
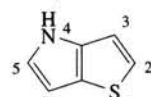
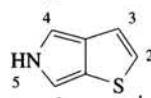
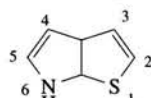
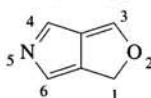
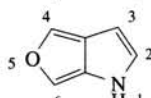
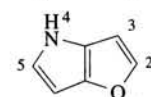
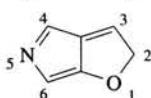
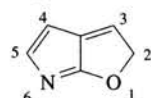
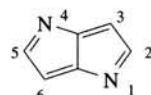
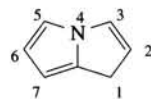
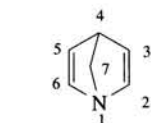
4*H*-Thieno[3,4-*c*]pyrrole
2, 649, 699, 702; 7, 860

C₄N-C₅

Cyclopenta[*b*]pyrrole
1, 83

Cyclopenta[*c*]pyrrole
1, 695; 3, 362

Ring Index (5,5)

C₄O-C₄O

Furo[2,3-*b*]furan
4, 604

Furo[3,2-*b*]furan
1, 795

Furo[3,4-*b*]furan
2, 336, 390; 6, 920; 9, 714

1*H*,3*H*-Furo[3,4-*c*]furan
2, 507; 5, 396

7-Oxabicyclo[2.2.1]heptane
2, 326, 327, 702; 3, 623; 5, 438; 7, 26, 106; 7, 106

C₄O-C₄S

Thieno[2,3-*b*]furan
7, **1-47**

Thieno[2,3-*c*]furan
1, 256; 2, 500, 575, 646, 670, 699;
7, **1-47**

Thieno[3,2-*b*]furan
2, 497; 3, 594; 7, **1-47**; 8, 958

Thieno[3,4-*b*]furan
6, 920; 7, **1-47**

1*H*,3*H*-Thieno[3,4-*c*]furan
2, 321, 551, 649, 701, 702; 7, 860

C₄O-C₅

2*H*-Cyclopenta[*b*]furan
1, 25; 2, 337, 345; 7, 927, 930

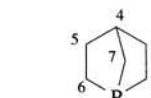
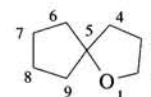
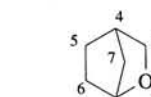
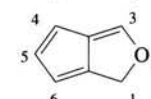
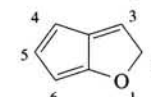
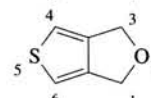
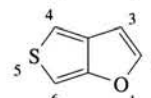
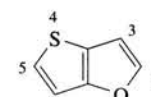
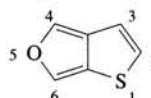
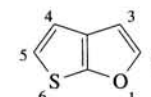
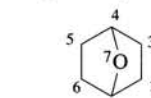
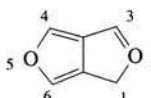
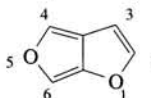
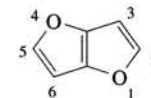
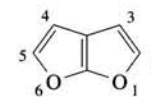
1*H*-Cyclopenta[*c*]furan
4, 273

2-Oxabicyclo[2.2.1]heptane
7, 96

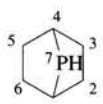
1-Oxaspiro[4.4]nonane
2, 283

C₄P-C₄P

1-Phosphabicyclo[2.2.1]heptane
2, 804; 5, 659

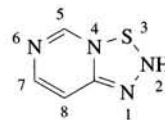


7-Phosphabicyclo[2.2.1]heptane
1, 296, 861, 865; 5, 654, 662



5,6

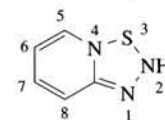
CN₃S-C₄N₂
2*H*-[1,2,3,5]Thiatriazolo[5,4-*c*]
pyrimidine
4, 736

C₄S-C₄S

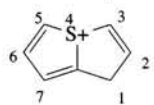
7-Thiabicyclo[2.2.1]heptane
2, 528, 531, 693



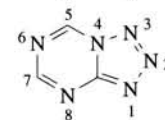
CN₃S-C₅N
2*H*-[1,2,3,5]Thiatriazolo[5,4-*a*]
pyridine
4, 735; 8, 405-416



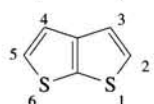
1*H*-Thieno[1,2-*a*]thiolium
8, 833-862



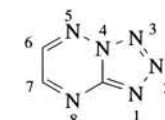
CN₄-C₃N₃
Tetrazolo[5,1-*f*][1,3,5]triazine
8, 499-505



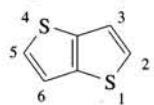
Thieno[2,3-*b*]thiophene
2, 591, 584; 8, 953



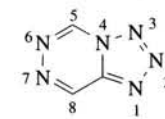
Tetrazolo[1,5-*b*][1,2,4]triazine
6, 521; 8, 499-505



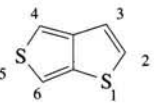
Thieno[3,2-*b*]thiophene
2, 587, 713; 3, 578, 594; 8, 953



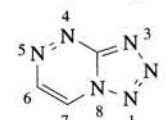
Tetrazolo[1,5-*d*][1,2,4]triazine
6, 521, 524; 8, 499-505



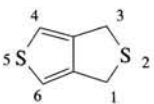
Thieno[3,4-*b*]thiophene
2, 544, 551



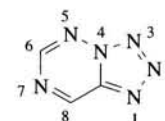
Tetrazolo[5,1-*c*][1,2,4]triazine
8, 499-505



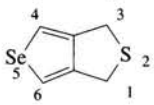
1*H*,3*H*-Thieno[3,4-*c*]thiophene
2, 453, 631, 701; 7, 91; 9, 645



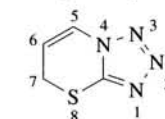
Tetrazolo[5,1-*f*][1,2,4]triazine
6, 521; 8, 499-505

C₄S-C₄Se

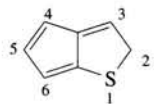
1*H*,3*H*-Selenolo[3,4-*c*]thiophene
2, 740



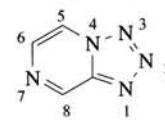
CN₄-C₄NS
7*H*-Tetrazolo[5,1-*b*][1,3]thiazine
8, 465-477

C₄S-C₅

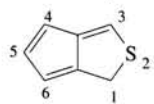
2*H*-Cyclopenta[*b*]thiophene
1, 76; 2, 494, 504, 505; 9, 322



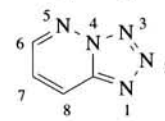
CN₄-C₄N₂
Tetrazolo[1,5-*a*]pyrazine
6, 242; 8, 465-477



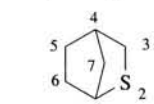
1*H*-Cyclopenta[*c*]thiophene
7, 22



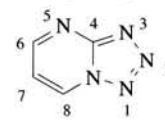
Tetrazolo[1,5-*b*]pyridazine
8, 465-477



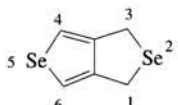
2-Thiabicyclo[2.2.1]heptane
1, 383; 6, 463; 9, 388



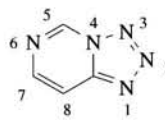
Tetrazolo[1,5-*a*]pyrimidine
8, 465-477

C₄Se-C₄Se

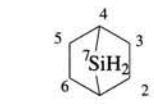
1*H*,3*H*-Selenolo[3,4-*c*]selenophene
2, 740



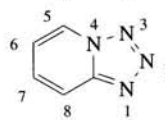
Tetrazolo[1,5-*c*]pyrimidine
8, 465-477

C₄Si-C₄Si

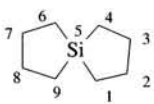
7-Silabicyclo[2.2.1]heptane
1, 315; 2, 910



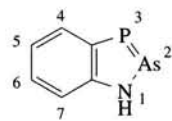
CN₄-C₅N
Tetrazolo[1,5-*a*]pyridine
5, 114; 8, 405-416



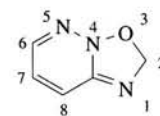
5-Silaspiro[4.4]nonane
2, 903, 912, 913



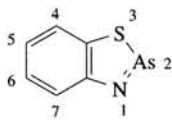
C₂AsNP-C₆
1*H*-1,3,2-Benzazaphospharsole
4, 819–827



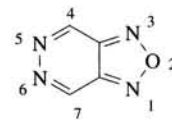
2*H*-1,2,4-Oxadiazolo[2,3-*b*]
pyridazine
8, 722



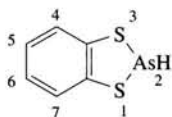
C₂AsNS-C₆
1,3,2-Benzazathiarsole
4, 819–827



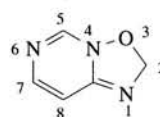
[1,2,5]Oxadiazolo[3,4-*d*]
pyradazine
4, 247, 248; 6, 82



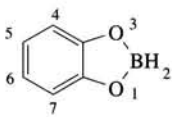
C₂AsS₂-C₆
1,3,2-Benzodithiarsole
4, 819–827



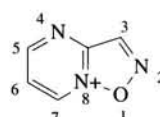
2*H*-[1,2,4]Oxadiazolo[2,3-*c*]
pyrimidine
4, 219, 228



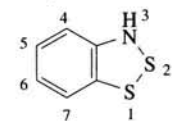
C₂BO₂-C₆
1,3,2-Benzodioxaborole
1, 1207



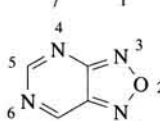
[1,2,5]Oxadiazolo[2,3-*a*]pyrimidin-
8-ium
4, 248



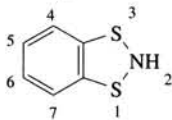
C₂NS₂-C₆
3*H*-1,2,3-Benzodithiazole
3, 455; 4, 415, 425, 426



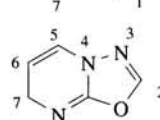
[1,2,5]Oxadiazolo[3,4-*d*]pyrimidine
7, 822; 8, 474



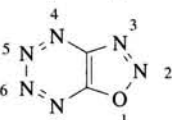
1,3,2-Benzodithiazole
4, 433–452; 9, 381, 716



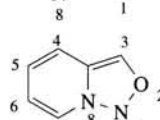
7*H*-1,3,4-Oxadiazolo[3,2-*a*]
pyrimidine
4, 271, 277



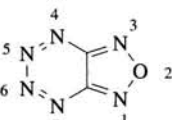
C₂N₂O-C₂N₄
1,2,3-Oxadiazolo[4,5-*e*]-1,2,3,4-
tetrazine
7, 513–526



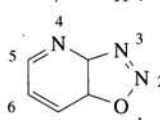
C₂N₂O-C₅N
1*H*-[1,2,3]Oxadiazolo[3,4-*a*]pyridine
8, 258



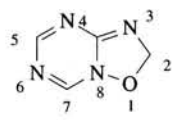
1,2,5-Oxadiazolo[3,4-*e*]-1,2,3,4-
tetrazine
7, 513–526



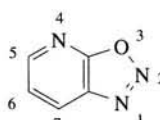
[1,2,3]Oxadiazolo[4,5-*b*]pyridine
7, 363–395



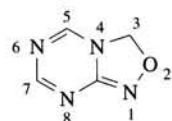
C₂N₂O-C₃N₃
2*H*-[1,2,4]Oxadiazolo[2,3-*a*]
[1,3,5]triazine
8, 479–491



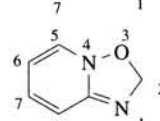
[1,2,3]Oxadiazolo[5,4-*b*]pyridine
7, 363–395



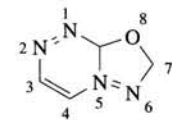
3*H*-[1,2,4]Oxadiazolo[4,3-*a*]
[1,3,5]triazine
8, 479–491



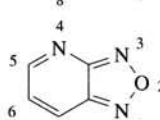
2*H*-[1,2,4]Oxadiazolo[2,3-*a*]
pyridine
4, 219, 224



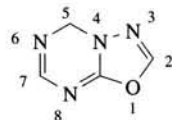
2*H*-[1,3,4]Oxadiazolo[2,3-*c*]
[1,2,4]triazine
4, 271; 8, 479–491



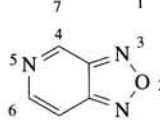
[1,2,5]Oxadiazolo[3,4-*b*]pyridine
4, 240; 8, 411



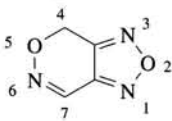
5*H*-1,3,4-Oxadiazolo[3,2-*a*]
[1,3,5]triazine
4, 271, 273, 277; 8, 479–491



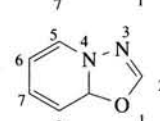
[1,2,5]Oxadiazolo[3,4-*c*]pyridine
4, 247



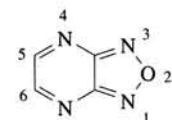
C₂N₂O-C₄NO
4*H*-[1,2,5]Oxadiazolo[3,4-*d*]
[1,2]oxazine
4, 248



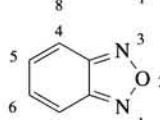
8*aH*-1,3,4-Oxadiazolo[3,2-*a*]
pyridine
4, 783



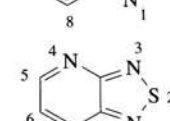
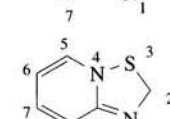
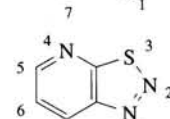
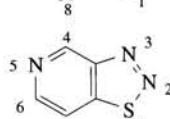
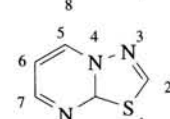
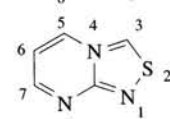
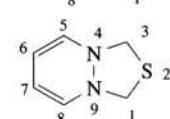
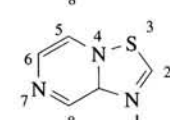
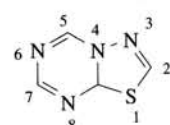
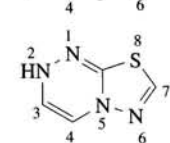
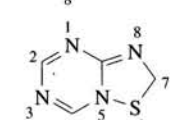
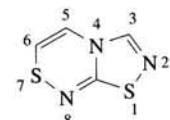
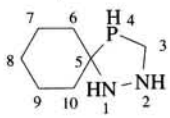
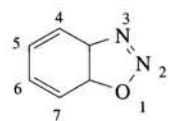
C₂N₂O-C₄N₂
[1,2,5]Oxadiazolo[3,4-*b*]pyrazine
4, 265; 6, 273



C₂N₂O-C₆
Benzofurazan
**1, 41; 2, 299, 817; 3, 113, 215, 219;
4, 229–265; 6, 270, 568, 963; 8,
1152**



- 1,2,3-Benzoxadiazole
4, 179–228
- $C_2N_2P-C_6$
1,2-Diaza-4-phosphaspiro
[4.5]decane
1, 299
- $C_2N_2S-C_3N_2S$
1,2,4-Thiadiazolo[5,4-*c*]
[1,2,4]thiadiazine
8, 479–491
- $C_2N_2S-C_3N_3$
2*H*-[1,2,4]Thiadiazolo[2,3-*c*]
[1,3,5]triazine
8, 479–491
- 2*H*-[1,3,4]Thiadiazolo[2,3-*c*]
[1,2,4]triazine
4, 391; 8, 479–491
- 8*aH*-1,3,4-Thiadiazolo[3,2-*a*]
[1,3,5]triazine
8, 479–491
- $C_2N_2S-C_4N_2$
8*aH*-[1,2,4]Thiadiazolo[2,3-*a*]
pyrazine
4, 339
- 1*H*,3*H*-[1,3,4]Thiadiazolo
[3,4-*a*]pyridazine
4, 393
- 5*H*-1,2,4-Thiadiazolo[4,5-*a*]
pyrimidine
8, 856
- 5*H*-1,3,4-Thiadiazolo[3,2-*a*]
pyrimidine
4, 393
- $C_2N_2S-C_5N$
1,2,3-Thiadiazolo[4,5-*c*]pyridine
7, 394, 395
- [1,2,3]Thiadiazolo[5,4-*b*]pyridine
7, 387, 394, 395
- 2*H*-[1,2,4]Thiadiazolo[2,3-*a*]
pyridine
7, 602
- [1,2,5]Thiadiazolo[3,4-*b*]pyridine
7, 373, 373, 387



- [1,2,5]Thiadiazolo[3,4-*c*]pyridine
4, 363, 368; 7, 373, 374

- $C_2N_2S-C_6$
1,2,3-Benzothiadiazole
1, 267; 2, 617; 3, 676, 706; 4, 289–305, 752, 758; 7, 867; 9, 399, 774

- 2,1,3-Benzothiadiazole
4, 355–377; 8, 1012

- $C_2N_2Se-C_5N$
[1,2,5]Selenadiazolo[3,4-*b*]pyridine
7, 373, 387

- [1,2,5]Selenadiazolo[3,4-*c*]pyridine
7, 373

- $C_2N_2Se-C_6$
1,2,3-Benzoselenadiazole
1, 266, 267; 6, 1005

- 2,1,3-Benzoselenadiazole
3, 491; 4, 743–770

- $C_2N_2Te-C_6$
2,1,3-Benzotelluradiazole
4, 743–770

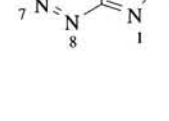
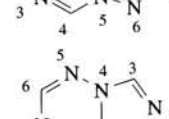
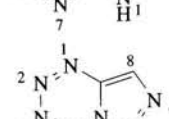
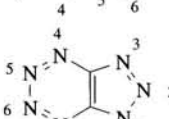
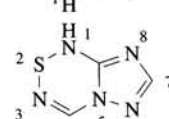
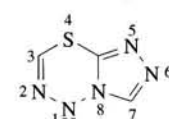
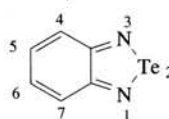
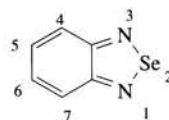
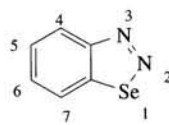
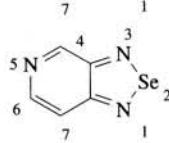
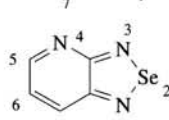
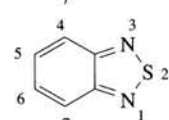
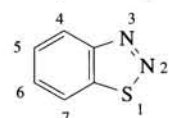
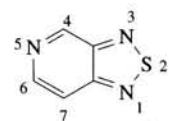
- $C_2N_3-C_2N_3S$
1*H*-[1,2,4]Triazolo[5,1-*b*]
[1,3,4,5]thiatiazine
8, 499–505

- 1*H*-[1,2,4]Triazolo[5,1-*c*]
[1,2,4,6]thiatiazine
8, 499–505

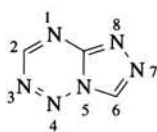
- $C_2N_3-C_2N_4$
1,2,3-Triazolo[4,5-*e*]-1,2,3,4-tetrazine
7, 513–526

- [1,2,3]Triazolo[5,1-*d*]-1,2,3,5-tetrazine
8, 499–505

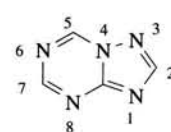
- 1,2,4-Triazolo[4,3-*b*][1,2,4,5]tetrazine
8, 499–505

 $C_2N_3-C_2N_4$ 

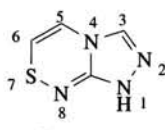
1,2,4-Triazolo[4,3-*c*][1,2,3,5]
tetrazine
8, 499–505



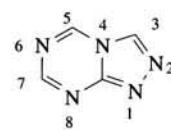
[1,2,4]Triazolo[1,5-*a*][1,3,5]triazine
8, 479–491



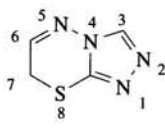
C₂N₃-C₃N₂S
1*H*-1,2,4-Triazolo[3,4-*c*]
[1,2,4]thiadiazine
4, 279; 6, 659; 8, 479–491



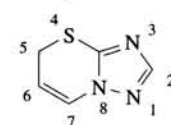
1,2,4-Triazolo[4,3-*a*][1,3,5]triazine
6, 604; 8, 479–491



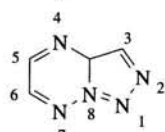
7*H*-1,2,4-Triazolo[3,4-*b*]
[1,3,4]thiadiazine
6, 760; 8, 479–491



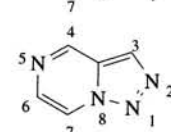
C₂N₃-C₄NS
5*H*-[1,2,4]Triazolo[5,1-*b*]
[1,3]thiazine
4, 147



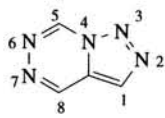
C₂N₃-C₃N₃
[1,2,3]Triazolo[1,5-*b*][1,2,4]triazine
8, 479–491



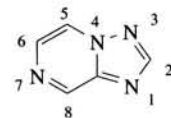
C₂N₃-C₄N₂
[1,2,3]Triazolo[1,5-*a*]pyrazine
8, 417–443



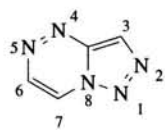
[1,2,3]Triazolo[1,5-*d*][1,2,4]triazine
8, 479–491



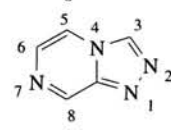
[1,2,4]Triazolo[1,5-*a*]pyrazine
8, 417–443



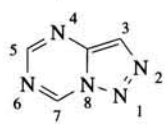
[1,2,3]Triazolo[5,1-*c*][1,2,4]triazine
8, 479–491



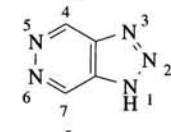
1,2,4-Triazolo[4,3-*a*]pyrazine
7, 806; 8, 417–443



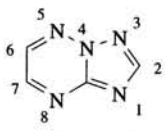
[1,2,3]Triazolo[1,5-*a*][1,3,5]triazine
4, 57; 8, 479–491



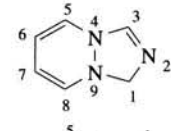
1*H*-1,2,3-Triazolo[4,5-*d*]pyridazine
4, 63



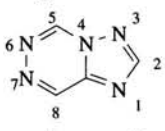
[1,2,4]Triazolo[1,5-*b*][1,2,4]triazine
6, 541; 8, 479–491



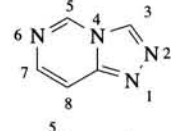
1*H*-[1,2,4]Triazolo[1,2-*a*]pyridazine
8, 404; 9, 750



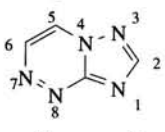
[1,2,4]Triazolo[1,5-*d*][1,2,4]triazine
8, 479–491



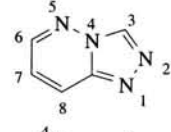
[1,2,4]Triazolo[1,5-*b*]pyridazine
4, 116; 8, 417–443



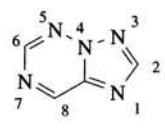
1,2,4-Triazolo[3,4-*c*][1,2,4]triazine
8, 479–491



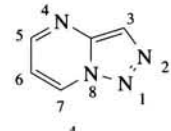
1,2,4-Triazolo[4,3-*b*]pyridazine
8, 93, 417–443, 959



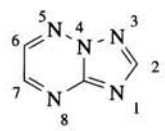
[1,2,4]Triazolo[3,4-*f*][1,2,4]triazine
6, 551; 8, 479–491



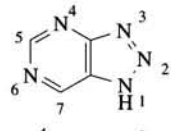
[1,2,3]Triazolo[1,5-*a*]pyrimidine
4, 118; 6, 501



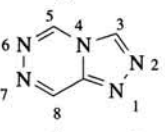
1,2,4-Triazolo[4,3-*b*][1,2,4]triazine
8, 479–491



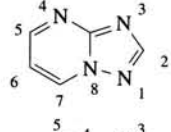
1*H*-1,2,3-Triazolo[4,5-*d*]pyrimidine
4, 57, 64, 66, 68



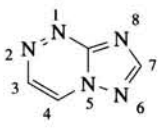
1,2,4-Triazolo[4,3-*d*][1,2,4]triazine
8, 479–491



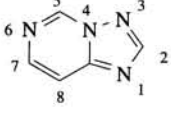
[1,2,4]Triazolo[1,5-*a*]pyrimidine
4, 149; 8, 417–443



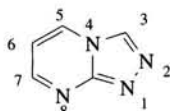
[1,2,4]Triazolo[5,1-*c*][1,2,4]triazine
1, 939; 8, 479–491



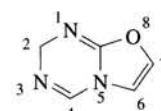
[1,2,4]Triazolo[1,5-*c*]pyrimidine
4, 393; 8, 417–443



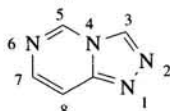
1,2,4-Triazolo[4,3-*a*]pyrimidine
8, 417–443, 730, 1088



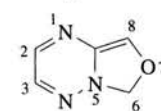
2*H*-Oxazolo[3,2-*a*]-1,3,5-triazine
8, 445–464



1,2,4-Triazolo[4,3-*c*]pyrimidine
7, 823; 8, 417–443

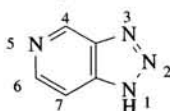


2*H*-Oxazolo[3,4-*b*]-1,2,4-triazine
8, 445–464



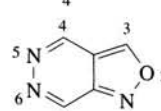
C₂N₃-C₅N

1*H*-[1,2,3]Triazolo[4,5-*c*]pyridine
2, 203; 7, 632, 635

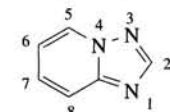


C₃NO-C₄N₂

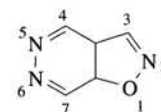
Isoxazolo[3,4-*d*]pyridazine
6, 81; 7, 748



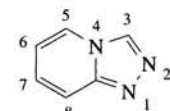
[1,2,4]Triazolo[1,5-*a*]pyridine
9, 131



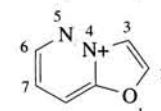
Isoxazolo[4,5-*d*]pyridazine
3, 236; 6, 32



1,2,4-Triazolo[4,3-*a*]pyridine
5, 86; 7, 213; 9, 340

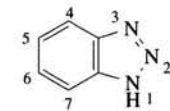


Oxazolo[3,2-*b*]pyridazin-4-ium
8, 339, 722

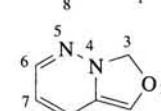


C₂N₃-C₆

1*H*-Benzotriazole
2, 153, 308, 52, 115, 506; 3, 208, 278, 302; 41–126, 151, 238, 244; 5, 207; 6, 525, 568; 7, 150, 213, 467; 8, 647, 767, 769, 795, 797, 811, 820, 1005; 9, 341, 412, 427; 9, 606

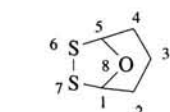


7*H*-Oxazolo[3,4-*b*]pyridazine
8, 339



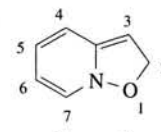
C₂OS₂-C₅O

8-Oxa-6,7-dithiabicyclo[3.2.1]octane
1, 437



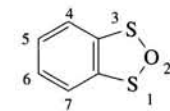
C₃NO-C₅N

2*H*-Isoxazolo[2,3-*a*]pyridine
1, 57, 389; 5, 149

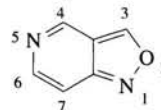


C₂OS₂-C₆

2,1,3-Benzoxadithiole
4, 554; 9, 722

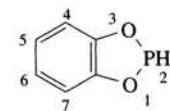


Isoxazolo[4,3-*c*]pyridine
5, 184

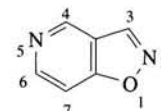


C₂O₂P-C₆

1,3,2-Benzodioxaphosphole
1, 1198; 8, 1163, 1168

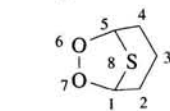


Isoxazolo[4,5-*c*]pyridine
3, 253; 5, 140

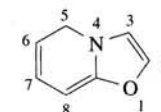


C₂O₂S-C₃O₂

6,7-Dioxa-8-thiabicyclo[3.2.1]octane
1, 452

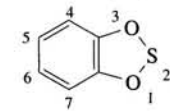


5*H*-Oxazolo[3,2-*a*]pyridine
5, 105, 145, 194

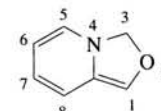


C₂O₂S-C₆

1,3,2-Benzodioxaphosphole
1, 750; 4, 559

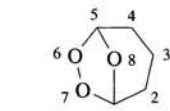


3*H*-Oxazolo[3,4-*a*]pyridine
5, 171, 176; 8, 247



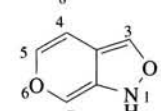
C₂O₃-C₅O

6,7,8-Trioxabicyclo[3.2.1]octane
4, 583, 599, 612



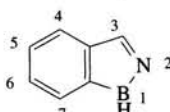
C₃NO-C₅O

1*H*-Pyrano[3,4-*c*]isoxazole
5, 395



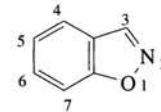
C₃BN-C₆

1*H*-2,1-Benzazaborole
3, 739–766



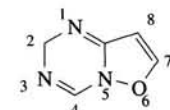
C₃NO-C₆

1,2-Benzisoxazole
3, 221–260; 4, 186, 246, 509; 6, 83; 7, 862, 863

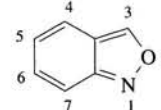


C₃NO-C₃N₃

2*H*-Isoxazolo[2,3-*a*]-1,3,5-triazine
8, 445–464

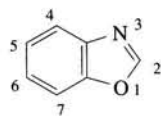


2,1-Benzisoxazole
4, 244, 250; 5, 205; 6, 25; 7, 49–87, 467, 864

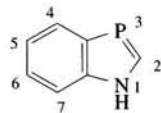


Benzoxazole

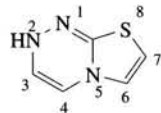
1, 920; 2, 871, 875; 3, 29, **261–318**;
4, 224, 399, 417; 4, 462; 5, 493;
6, 629, 651, 669; 6, 778; 7, 862,
866, 891; 8, 153, 157, 169, 174,
473; 9, 427

C₃NP-C₆1*H*-1,3-Benzazaphosphole

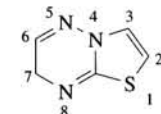
3, 711, **511–524**; 4, 803

C₃NS-C₃N₃2*H*-Thiazolo[2,3-*c*][1,2,4]triazine

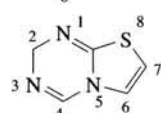
6, 543; 8, **445–464**

7*H*-Thiazolo[3,2-*b*][1,2,4]triazine

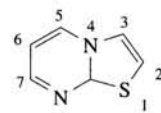
6, 543, 547; 8, **445–464**

2*H*-Thiazolo[3,2-*a*]-1,3,5-triazine

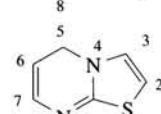
6, 598

C₃NS-C₄N₂8*aH*-Thiazolo[3,2-*b*]pyridazine

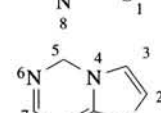
8, 722

5*H*-Thiazolo[3,2-*a*]pyrimidine

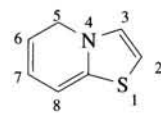
8, 653, 690

5*H*-Thiazolo[3,2-*c*]pyrimidine

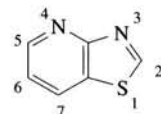
6, 187, 190

C₃NS-C₅N5*H*-Thiazolo[3,2-*a*]pyridine

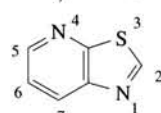
1, 1026; 3, 388

Thiazolo[4,5-*b*]pyridine

3, 346, 432

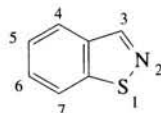
Thiazolo[5,4-*b*]pyridine

8, 1085

C₃NS-C₆

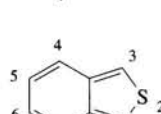
1,2-Benzisothiazole

1, 412; 2, 662; 3, **319–372**; 4, 762;
5, 582; 6, 389, 642, 643; 7, 854,
867; 8, 704; 9, 93, 196, 229, 476,
648



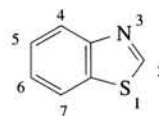
2,1-Benzisothiazole

1, 273; 3, **319–372**, 602; 7, 854, 54;
8, 1011, 1012



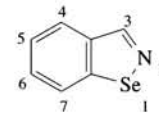
Benzothiazole

1, 1062; 2, 396, 417; 3, 29, **373–**
474; 4, 320, 330, 335, 417, 432,
462, 468, 696, 703, 704, 708; 5,
493; 6, 89, 599, 655, 677, 912; 7,
55, 851, 862, 891; 8, 136, 152, 153, 156, 169, 169, 174;
9, 320, 358, 565

C₃NSe-C₆

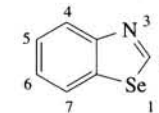
1,2-Benzisoselenazole

3, **475–492**; 6, 1009; 9, 944



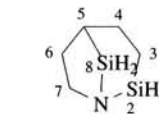
Benzoselenazole

3, **493–510**; 9, 943

C₃NSi-C₃NSi₂

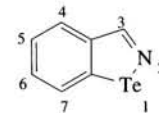
1-Aza-2,8-disilabicyclo[3.2.1]octane

1, 321

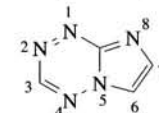
C₃NTe-C₆

1,2-Benzisotellurazole

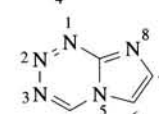
3, 662

C₃N₂-C₃N₄Imidazo[1,2-*b*]-1,2,4,5-tetrazine

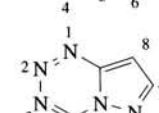
6, 952; 8, **493–498**

6*H*-Imidazo[2,1-*d*]-1,2,3,5-tetrazine

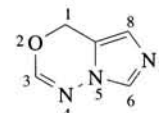
8, **493–498**

Pyrazolo[5,1-*d*]-1,2,3,5-tetrazine

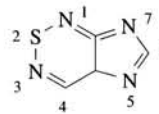
8, **493–498**

C₃N₂-C₃N₂O1*H*-Imidazo[1,5-*d*][1,3,4]oxadiazine

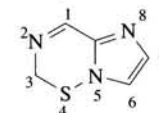
8, **445–464**

C₃N₂-C₃N₂SImidazo[4,5-*c*][1,2,6]thiadiazine

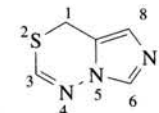
8, 491

3*H*-Imidazo[1,2-*b*][1,2,5]thiadiazine

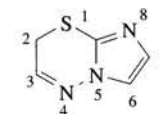
8, **445–464**

1*H*-Imidazo[1,5-*d*][1,3,4]thiadiazine

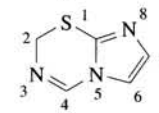
8, **445–464**

2*H*-Imidazo[2,1-*b*][1,3,4]thiadiazine

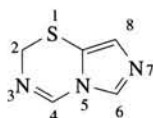
8, **445–464**

2*H*-Imidazo[2,1-*b*]-1,3,5-thiadiazine

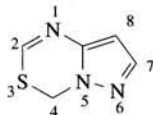
8, **445–464**



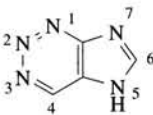
2*H*-Imidazo[5,1-*b*]-1,3,5-thiadiazine
8, 445–464



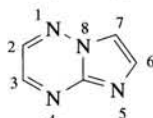
4*H*-Pyrazolo[5,1-*c*][1,3,5]thiadiazine
8, 445–464



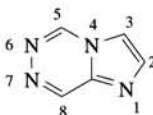
$C_3N_2-C_3N_3$
5*H*-Imidazo[4,5-*d*]-1,2,3-triazine
6, 503



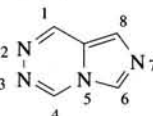
Imidazo[1,2-*b*][1,2,4]triazine
6, 552; 8, 445–464



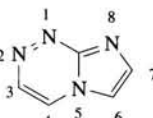
Imidazo[1,2-*d*][1,2,4]triazine
8, 445–464



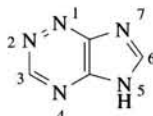
Imidazo[1,5-*d*][1,2,4]triazine
8, 445–464



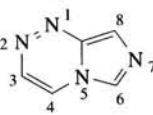
Imidazo[2,1-*c*][1,2,4]triazine
3, 169; 8, 445–464



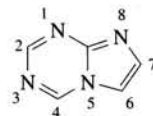
5*H*-Imidazo[4,5-*e*]-1,2,4-triazine
6, 552; 7, 801



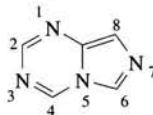
Imidazo[5,1-*c*][1,2,4]triazine
8, 445–464



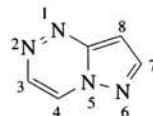
Imidazo[1,2-*a*]-1,3,5-triazine
3, 149; 6, 604, 605; 8, 445–464



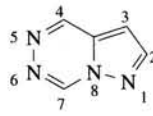
Imidazo[1,5-*a*]-1,3,5-triazine
8, 445–464



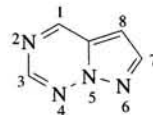
Pyrazolo[5,1-*c*][1,2,4]triazine
8, 445–464



Pyrazolo[1,5-*d*][1,2,4]triazine
4, 271



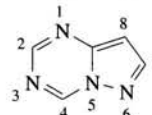
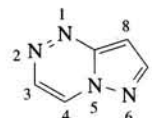
Pyrazolo[1,5-*g*][1,2,4]triazine
8, 445–464; 9, 328



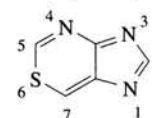
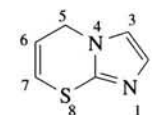
Pyrazolo[5,1-*c*][1,2,4]triazine
7, 666

Pyrazolo[1,5-*a*]-1,3,5-triazine
8, 445–464

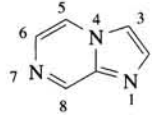
$C_3N_2-C_4NS$
5*H*-Imidazo[2,1-*b*][1,3]thiazine
6, 390



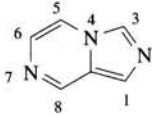
Imidazo[4,5-*d*][1,3]thiazine
3, 166



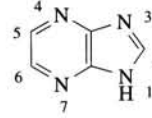
$C_3N_2-C_4N_2$
Imidazo[1,2-*a*]pyrazine
8, 650



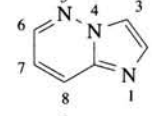
Imidazo[1,5-*a*]pyrazine
8, 345–365



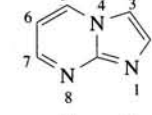
1*H*-Imidazo[4,5-*b*]pyrazine
6, 76; 7, 699



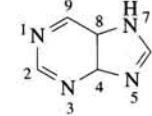
Imidazo[1,2-*b*]pyridazine
8, 718



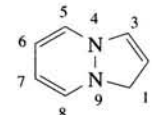
Imidazo[1,2-*a*]pyrimidine
7, 76



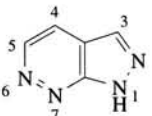
7*H*-Purine
1, 797; 2, 411, 217; 2, 240, 251, 691;
2, 692; 4, 160, 217, 220; 7, 397–
429; 7, 719, 722, 724, 725, 726,
806, 835, 836, 837; 8, 1085, 1087;
9, 358, 504, 541; 9, 698



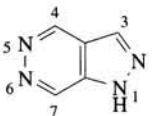
1*H*-Pyrazolo[1,2-*a*]pyridazine
8, 747–832; 9, 775



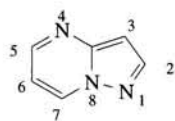
1*H*-Pyrazolo[3,4-*c*]pyridazine
4, 191



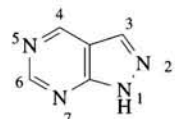
1*H*-Pyrazolo[3,4-*d*]pyridazine
6, 933; 7, 806



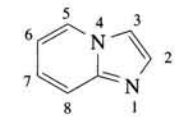
Pyrzolo[1,5-*a*]pyrimidine
8, 345–365, 1086



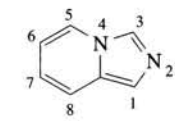
1*H*-Pyrzolo[3,4-*d*]pyrimidine
7, 726, 806, 835; 8, 1087

C₃N₂-C₅N

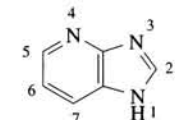
Imidazo[1,2-*a*]pyridine
7, 72, 76; 8, 249–286, 1086



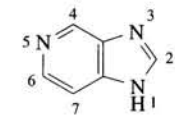
Imidazo[1,5-*a*]pyridine
8, 249–286; 9, 503



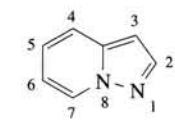
1*H*-Imidazo[4,5-*b*]pyridine
7, 283–349



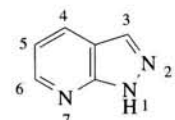
1*H*-Imidazo[4,5-*c*]pyridine
7, 283–349, 385, 657



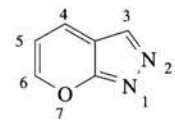
Pyrzolo[1,5-*a*]pyridine
8, 249–286, 621, 622; 9, 122



1*H*-Pyrzolo[3,4-*b*]pyridine
7, 283–349; 8, 1085; 9, 311

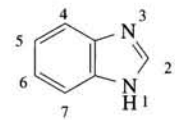
C₃N₂-C₅O

Pyrano[2,3-*c*]pyrazole
5, 358

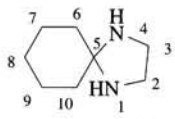
C₃N₂-C₆

1*H*-Benzimidazole

1, 43, 66, 829; 2, 396, 688; 3, 77–220, 492; 4, 151, 191, 196, 244, 245, 252, 330, 341, 371, 399, 462, 476, 487, 519, 649; 5, 112, 235, 611; 6, 88, 525, 682, 686, 691, 656, 664, 953; 7, 360, 941; 8, 145, 147, 152, 153, 157, 160, 162, 167, 168, 169, 170, 172, 173, 182, 993, 1004, 1005, 1012; 9, 161, 337, 358, 364, 367, 538, 543, 557, 697

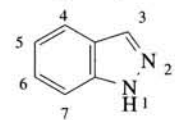


1,4-Diazaspiro[4.5]decane
1, 377

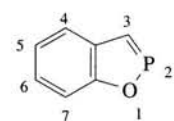


1*H*-Indazole

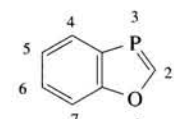
1, 937; 3, 283; 4, 181, 189, 244; 6, 491; 7, 666, 940, 941, 943; 8, 167, 785, 799, 808, 816, 818, 1003, 1016; 9, 130, 135, 361, 469, 687

C₃OP-C₆

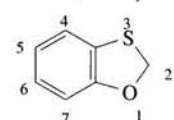
1,2-Benzoxaphosphole
9, 243



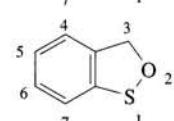
1,3-Benzoxaphosphole
3, 511–524

C₃OS-C₆

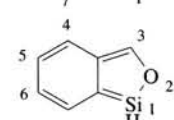
1,3-Benzoxathiole
3, 525–567; 6, 478



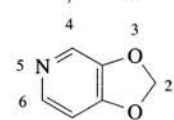
3*H*-2,1-Benzoxathiole
2, 46, 468; 3, 351, 363, 511–524; 8, 1016

C₃OSi-C₆

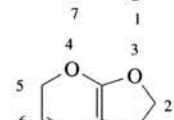
2,1-Benzoxasilole
1, 1080; 2, 910

C₃O₂-C₅N

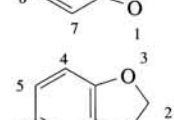
1,3-Dioxolo[4,5-*c*]pyridine
1, 24

C₃O₂-C₅O

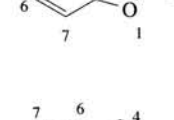
1,3-Dioxolo[4,5-*b*]pyran
1, 41

C₃O₂-C₆

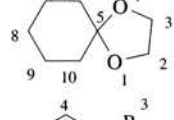
1,3-Benzodioxole
1, 696, 1058; 2, 308, 344, 357; 3, 525–567; 5, 185, 237, 408; 6, 457, 465; 7, 425, 862, 862, 864; 8, 525, 529, 1013; 9, 21, 26, 587, 697



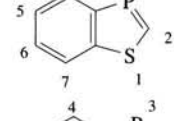
1,4-Dioxaspiro[4.5]decane
3, 540, 543, 565

C₃PS-C₆

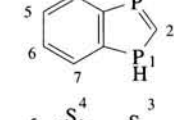
1,3-Benzothiaphosphole
3, 511–524

C₃P₂-C₆

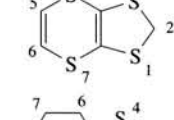
1*H*-1,3-Benzodiphosphole
3, 511–524

C₃S₂-C₄S₂

1,3-Dithiolo[4,5-*b*][1,4]dithiin
3, 630, 683, 694, 702; 4, 566; 7, 836; 9, 712

C₃S₂-C₅S

1,4,8-Trithiaspiro[4.5]decane
3, 593



$C_3S_2-C_6$
3*H*-1,2-Benzodithiole
1, 422; 3, **569–605**, 666; 9, 727

1,3-Benzodithiole
2, 46, 499, 573; 6, 466, 478, 836; 9,
397, 400, 385, 722

6,7-Dithiabicyclo[3.2.1]octane
1, 248

$C_3Se_2-C_6$
1,3-Benzodiselenole
4, 758

C_4As-C_6
1*H*-Arsindole
2, **857–902**

C_4B-C_6
Borolo[1,2-*a*]borin
8, **889–931**

C_4B-C_6
3*H*-Benzoborole
2, **919–932**

C_4Bi-C_6
1*H*-Bismuthindole
2, **857–902**

C_4Co-C_6
1-Cobaltaindene
2, **933–967**

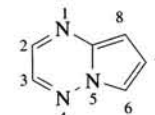
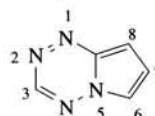
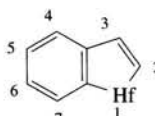
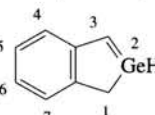
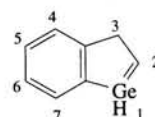
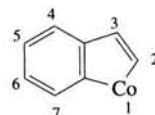
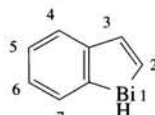
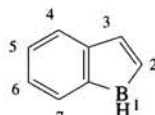
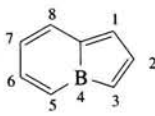
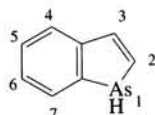
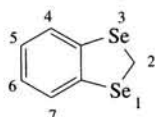
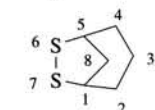
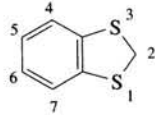
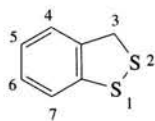
C_4Ge-C_6
3*H*-1-Benzogermole
2, **903–918**, **933–967**

1*H*-2-Benzogermole
2, **903–918**

C_4Hf-C_6
1-Hafnaindene
2, **933–967**

$C_4N-C_2N_4$
Pyrrolo[1,2-*b*]-1,2,4,5-tetrazine
8, **405–416**

$C_4N-C_3N_3$
Pyrrolo[1,2-*b*]-1,2,4-triazine
8, **389–404**



Pyrrolo[1,2-*d*][1,2,4]triazine
2, 41

Pyrrolo[1,2-*a*]-1,3,5-triazine
1, 86; 6, 623; 8, 772; 9, 750

$C_4N-C_3O_3$
3*H*-1,2,4-Trioxolo[3,2-*e*]pyrrole
7, **351–362**

C_4N-C_4NO
2*H*-Pyrrolo[1,2-*b*][1,2]oxazine
8, **287–343**

2*H*-Pyrrolo[2,1-*b*][1,3]oxazine
8, **287–343**

1*H*-Pyrrolo[1,2-*c*][1,3]oxazine
8, **287–343**

1*H*-Pyrrolo[2,1-*c*][1,4]oxazine
8, **287–343**

C_4N-C_4NS
2*H*-Pyrrolo[1,2-*b*][1,2]thiazine
8, **287–343**

2*H*-Pyrrolo[2,1-*b*][1,3]thiazine
8, **287–343**

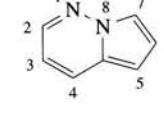
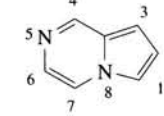
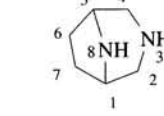
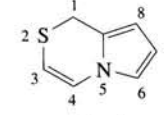
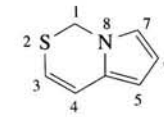
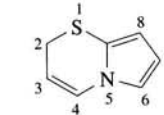
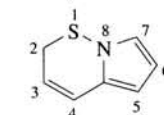
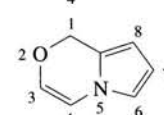
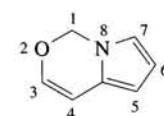
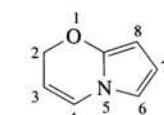
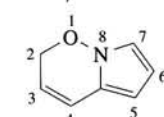
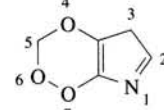
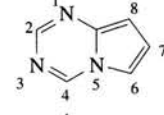
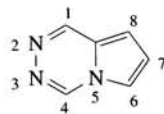
1*H*-Pyrrolo[1,2-*c*][1,3]thiazine
8, **287–343**

1*H*-Pyrrolo[2,1-*c*][1,4]thiazine
8, 74, **287–343**

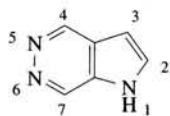
$C_4N-C_4N_2$
3,8-Diazabicyclo[3.2.1]octane
1, 18

Pyrrolo[1,2-*a*]pyrazine
2, 41, 103; 3, 585; 8, **287–343**

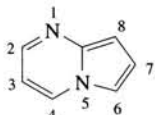
Pyrrolo[1,2-*b*]pyridazine
6, 30; 8, **287–343**



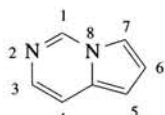
1*H*-Pyrrolo[2,3-*d*]pyridazine
6, 927



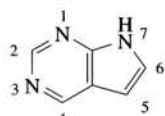
Pyrrolo[1,2-*a*]pyrimidine
8, 287-343



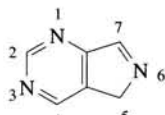
Pyrrolo[1,2-*c*]pyrimidine
8, 287-343



7*H*-Pyrrolo[2,3-*d*]pyrimidine
2, 65; 7, 421, 729



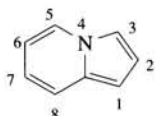
5*H*-Pyrrolo[3,4-*d*]pyrimidine
7, 748, 814



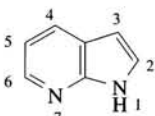
C₄N-C₅N
8-Azabicyclo[3.2.1]octane
5, 22



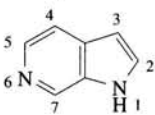
Indolizine
1, 20, 578; 3, 243; 5, 47, 86, 105; 5, 148, 152; 6, 399; 7, 78; 8, 7, 49, 50, 60, 237-248, 260, 303, 305, 309, 392, 862, 1015, 1051, 1086, 1087; 9, 752, 754, 771, 774



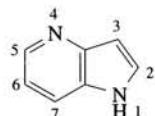
1*H*-Pyrrolo[2,3-*b*]pyridine
7, 167-227; 7, 242



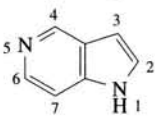
1*H*-Pyrrolo[2,3-*c*]pyridine
1, 93; 7, 167-227



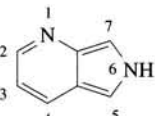
1*H*-Pyrrolo[3,2-*b*]pyridine
7, 167-227



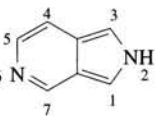
1*H*-Pyrrolo[3,2-*c*]pyridine
7, 167-227



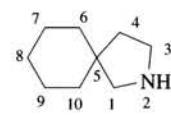
6*H*-Pyrrolo[3,4-*b*]pyridine
5, 111; 7, 167-227; 7, 590



2*H*-Pyrrolo[3,4-*c*]pyridine
5, 111; 7, 167-227

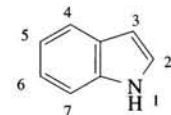


C₄N-C₆
2-Azaspiro[4.5]decane
5, 161



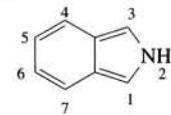
1*H*-Indole

1, 16, 27, 114, 219, 378, 384, 535, 987, 1063, 1069, 1074; 2, 1-38, 119-206, 403, 417, 39-117, 207-257, 523, 662; 3, 89, 315, 598, 628; 4, 34, 38, 38, 60, 86, 89, 109, 112, 194, 216, 251, 308, 322, 424; 5, 22, 139, 204, 230, 495; 6, 13, 26, 56, 72, 88, 208, 230, 270, 276, 397, 408, 914, 924, 1015; 7, 21, 25, 25, 36, 67, 69, 107, 109, 850, 856, 857, 858, 863, 872, 935, 939, 942, 943; 8, 12, 14, 17, 20, 184, 239, 240, 243, 300, 302, 342, 397, 399, 401, 402, 404, 404, 441, 593, 780, 787, 950, 955, 964, 996, 1006, 1007, 1008, 1009, 1010, 1011, 1037, 1038, 1056, 1058, 1059, 1060, 1061, 1062, 1063; 9, 131, 155, 274, 331, 346, 366, 424, 473, 502, 556, 761; 9, 766

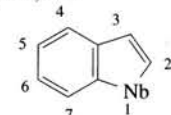


2*H*-Isoindole

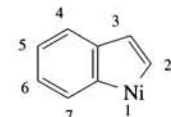
1, 30, 54, 66, 82, 425, 689, 785, 788, 808, 813, 997; 2, 1-38, 39-117, 119-206, 207-257, 330, 853, 877; 3, 258, 267; 4, 60, 92, 509; 5, 200, 231, 591; 6, 84; 7, 1-47, 850, 854; 8, 13, 17, 89, 240, 305, 399, 593, 1132; 9, 101, 192, 425, 536, 541, 555, 556, 600, 622, 693, 729, 762, 776



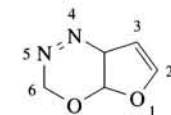
C₄Nb-C₆
1-Niobaindene
2, 933-967



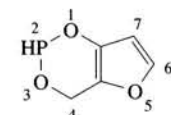
C₄Ni-C₆
1-Nickelaindene
2, 933-967



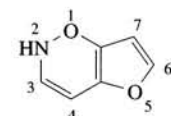
C₄O-C₃N₂O
Furo[3,2-*e*]-1,3,4-oxadiazine
7, 351-362



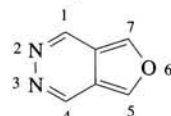
C₄O-C₃O₃P
4*H*-Furo[6,5-*b*]-1,3,2-dioxaphosphorin
7, 351-362



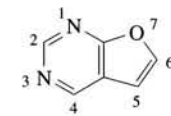
C₄O-C₄NO
2*H*-Furo[2,3-*e*]-1,2-oxazine
6, 257



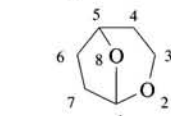
C₄O-C₄N₂
Furo[3,4-*d*]pyridazine
2, 320; 7, 869; 9, 778



Furo[2,3-*d*]pyrimidine
2, 344; 6, 134



C₄O-C₄O₂
2,8-Dioxabicyclo[3.2.1]octane
1, 168



C₄O-C₅NFuro[3,4-*b*]pyridine
6, 171; 7, 590Furo[3,4-*c*]pyridine

2, 59; 5, 289; 7, 371

C₄O-C₅O1,6-Dioxaspiro[4.5]decane
3, 315

8-Oxabicyclo[3.2.1]octane

1, 201; 3, 538, 567

C₄O-C₅Se5*H*-Furo[3,4-*b*]selenin
1, 268C₄O-C₆

Benzofuran

1, 103, 153, 156, 157, 165, 399, 785, 786, 1061, 1064, 1074; 2, 38, 297-350, 351-393, 395-436, 595; 3, 561, 567; 4, 421; 5, 363, 363, 437; 6, 233-278, 467, 671; 7, 69, 858, 858, 863, 934, 938; 8, 964, 1013; 9, 633

Isobenzofuran

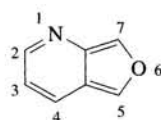
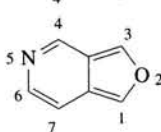
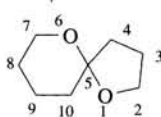
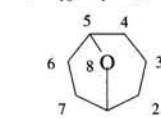
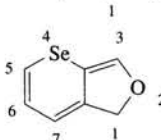
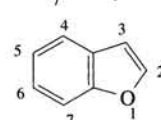
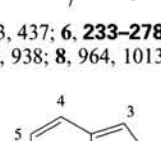
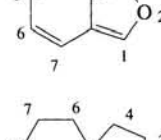
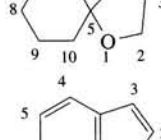
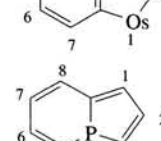
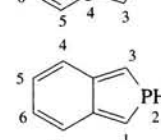
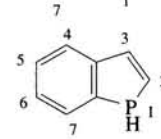
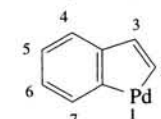
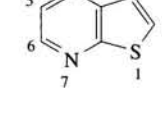
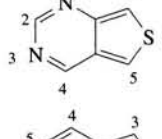
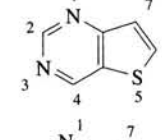
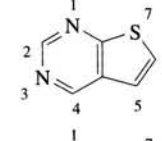
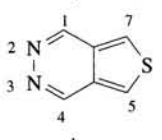
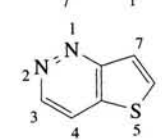
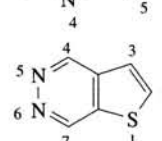
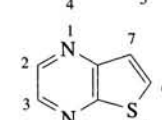
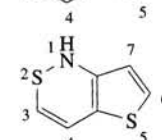
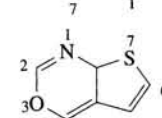
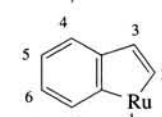
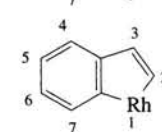
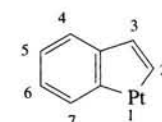
2, 297-350, 381, 384, 419, 656, 660, 813; 3, 278, 650; 4, 114; 5, 261, 264, 379, 436, 441; 6, 79; 7, 1-47, 850, 937; 8, 416, 525, 549; 9, 501, 544, 557, 574, 692, 776

1-Oxaspiro[4.5]decane

1, 161, 731

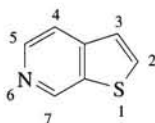
C₄Os-C₆1-Osmaindene
2, 933-967C₄P-C₅PPhospholo[1,2-*a*]phosphorin
8, 863-888C₄P-C₆2*H*-Isophosphindole
2, 947; 9, 9521*H*-Phosphindole

1, 255, 292, 299, 485; 2, 757-856; 7, 77

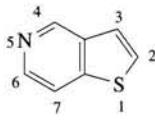
C₄Pd-C₆1-Palladaindene
2, 933-967C₄Pt-C₆1-Platraindene
2, 933-967C₄Rh-C₆1-Rhodaindene
2, 933-967C₄Ru-C₆1-Ruthenaindene
2, 933-967C₄S-C₄NO2*H*-Thieno[2,3-*d*][1,3]oxazine
6, 343C₄S-C₄NS1*H*-Thieno[3,2-*c*][1,2]thiazine
2, 495C₄S-C₄N₂Thieno[2,3-*b*]pyrazine
2, 625Thieno[2,3-*d*]pyridazine
6, 932Thieno[3,2-*c*]pyridazine
3, 366Thieno[3,4-*d*]pyridazine
2, 699; 6, 190; 7, 869Thieno[2,3-*d*]pyrimidine
2, 691Thieno[3,2-*d*]pyrimidine
2, 578, 686Thieno[3,4-*d*]pyrimidine
2, 556, 676, 686, 688, 691C₄S-C₅NThieno[2,3-*b*]pyridine
2, 576, 625, 688, 719; 6, 243, 537; 7, 69C₄S-C₅N

Thieno[2,3-*c*]pyridine

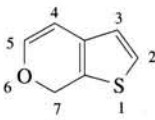
2, 505, 574, 625, 628, 683, 687; 6, 243; 7, 112; 8, 1057, 1058

Thieno[3,2-*c*]pyridine

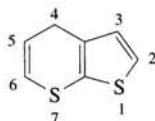
2, 505, 687; 9, 37, 41, 773

C₄S-C₅O7*H*-Thieno[2,3-*c*]pyran

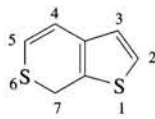
2, 545, 663, 668, 670, 685, 700; 5, 413

C₄S-C₅S4*H*-Thieno[2,3-*b*]thiin

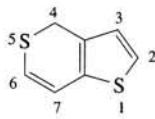
2, 575, 583, 686

7*H*-Thieno[2,3-*c*]thiin

3, 581

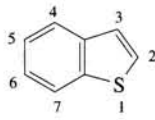
4*H*-Thieno[3,2-*c*]thiin

2, 662

C₄S-C₆

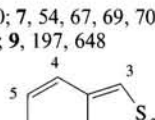
1-Benzothiophene

1, 81, 217, 229, 249, 255, 378; 2, 38, 437-490, 491-605, 607-677, 679-729; 4, 107, 112, 417; 5, 546, 582, 604, 611; 6, 88, 410, 410; 7, 54, 67, 69, 70, 71, 104, 112, 858, 859; 8, 951, 1060; 9, 197, 648

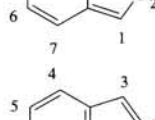


2-Benzothiophene

2, 330, 509, 525, 558, 947; 3, 623; 7, 1-47; 8, 1041; 9, 303, 776

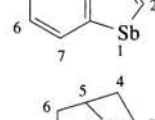
C₄Sb-C₆1*H*-Stibindole

2, 857-902

C₄Se-C₅Se

8-Selenabicyclo[3.2.1]octane

1, 275

C₄Se-C₆

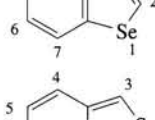
1-Benzoselenophene

2, 731-748; 7, 69; 9, 943



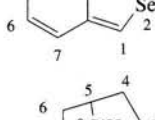
2-Benzoselenophene

2, 739, 739

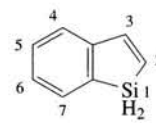
C₄Si-C₄Si₂

2,8-Disilabicyclo[3.2.1]octane

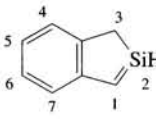
1, 320

C₄Si-C₆1*H*-1-Benzosilole

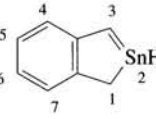
1, 319, 378, 881; 2, 903-918; 9, 994

3*H*-2-Benzosilole

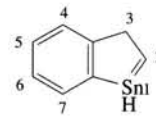
2, 903-918

C₄Sn-C₆1*H*-Benzostannole

2, 903-918

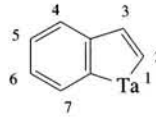
3*H*-1-Benzostannole

2, 903-918

C₄Ta-C₆

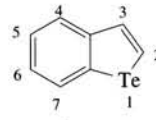
1-Tantalaindene

2, 933-967

C₄Te-C₆

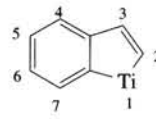
1-Benzotellurophe

2, 749-756; 5, 627

C₄Ti-C₆

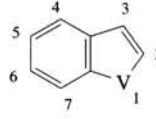
1-Titanaindene

1, 899; 2, 933-967

C₄V-C₆

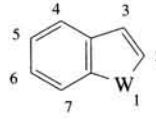
1-Vanadaindene

2, 933-967

C₄W-C₆

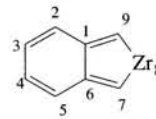
1-Tungstaindene

2, 933-967

C₄Zr-C₆

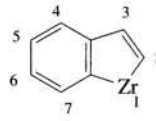
8-Zirconabicyclo[4.3.0]nonane

2, 638, 916

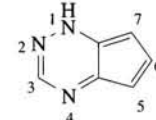


1-Zirconaindene

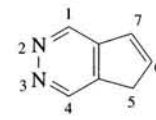
2, 933-967

C₅-C₃N₃1*H*-Cyclopenta[*e*]-1,2,4-triazine

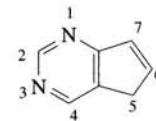
6, 556

C₅-C₄N₂5*H*-Cyclopenta[*d*]pyridazine

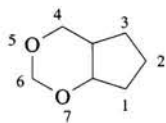
2, 156; 6, 13, 54; 9, 48

5*H*-Cyclopentapyrimidine

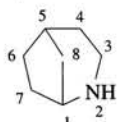
1, 671; 6, 317



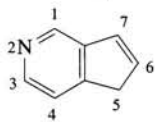
C₅-C₄O₂
2*H*-Cyclopenta[*d*]-1,3-dioxin
1, 397



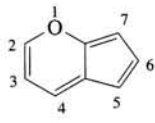
C₅-C₅N
2-Azabicyclo[3.2.1]octane
1, 79, 84



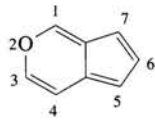
5*H*-Cyclopenta[*c*]pyridine
5, 242; 6, 531, 535, 498; 7, 888; 9,
48, 776



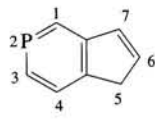
C₅-C₅O
Cyclopenta[*b*]pyran
5, 358, 360, 496; 9, 776, 777



Cyclopenta[*c*]pyran
7, 930

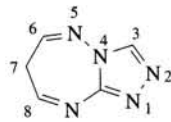


C₅-C₅P
5*H*-Cyclopenta[*c*]phosphorin
5, 666; 9, 952

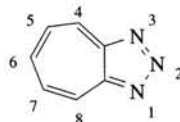


5,7

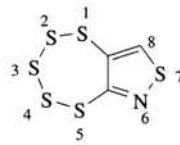
C₂N₃-C₄N₃
7*H*-1,2,4-Triazolo[4,3-*b*]
[1,2,4]triazepine
9, 317



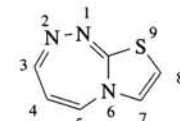
C₂N₃-C₇
Cycloheptatriazole
4, 97



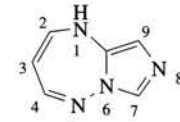
C₃NS-C₂S₅
1,2,3,4,5-Pentathiepine[6,7-*c*]
isothiazole
9, 397



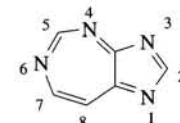
C₃NS-C₄N₃
Thiazolo[2,3-*c*][1,2,4]triazepine
9, 317, 322



C₃N₂-C₄N₃
1*H*-Imidazo[1,5-*d*][1,2,4]triazepine
9, 316, 324



C₃N₂-C₅N₂
Imidazo[4,5-*d*][1,3]diazepine
7, 422; 9, 127



Imidazo[4,5-*e*][1,4]diazepine
9, 181

Pyrazolo[3,4-*d*][1,2]diazepine
9, 122

C₄N-C₅N₂
1*H*-Pyrrolo[1,2-*b*][1,2]diazepine
9, 129, 132

C₄N-C₆N
1*H*-Pyrrolo[1,2-*a*]azepine
4, 62; 8, 7, 17, 19

C₄N-C₇
Cyclohepta[*b*]pyrrole
1, 993; 7, 606; 8, 960; 9, 317

C₄O-C₇
8*H*-Cyclohepta[*b*]furan
1, 103

8*H*-Cyclohepta[*c*]furan
1, 100

8-Oxabicyclo[4.2.1]nonane
1, 119

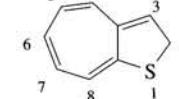
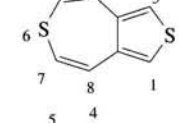
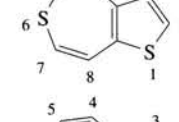
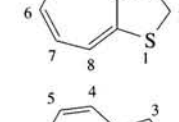
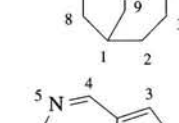
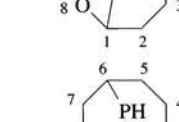
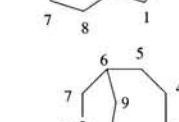
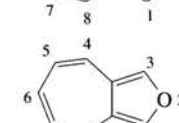
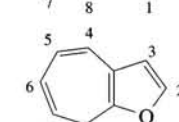
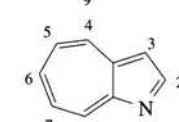
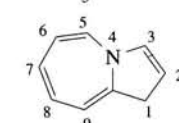
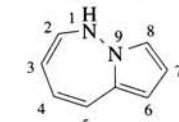
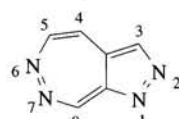
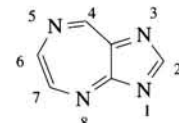
C₄P-C₆P
9-Phosphabicyclo[4.2.1]nonane
1, 292

C₄S-C₆N
Thieno[3,2-*c*]azocine
1, 74

C₄S-C₆S
Thieno[2,3-*d*]thiepin
9, 79

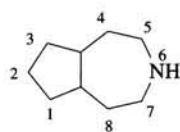
Thieno[3,4-*d*]thiepin
9, 69, 70, 71, 75, 77, 87, 710

C₄S-C₇
2*H*-Cyclohepta[*b*]thiophene
2, 494

C₄S-C₇

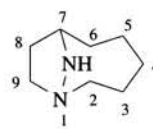
C₅-C₆N

C₅-C₆N
Cyclopent[*d*]azepine
1, 64



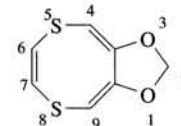
Ring Index (5,8)

C₃N₂-C₆N₂
1,10-Diazabicyclo[5.2.1]decane
8, 769



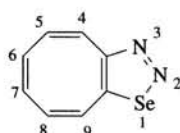
678

C₃O₂-C₆S₂
[1,4]Dithiocino[6,7-*d*]-1,3-dioxole
9, 587



5,8

C₂N₂Se-C₈
Cycloocta-1,2,3-selenadiazole
2, 744

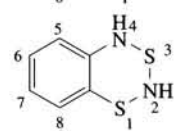


6,6-7,9

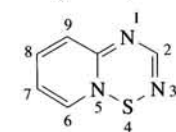
$C_2B_2NO-C_2B_2NO$
1,3,2,4-Oxazadiborino[5,4-*d*]-
1,3,2,4-oxazadiborine
7, **785-840**



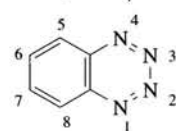
$C_2N_2S_2-C_6$
4*H*-1,3,2,4-Benzodithiadiazine
6, 970, 982



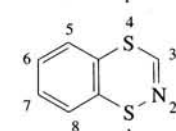
$C_2N_3S-C_5N$
Pyridino[2,3-*a*]-1,2,3,5-thiatriazine
8, **707-711**



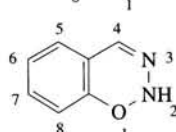
$C_2N_4-C_6$
Benzotetrazine
6, **957-965**



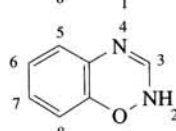
$C_3NS_2-C_6$
1,4,2-Benzodithiazine
6, 478, 836



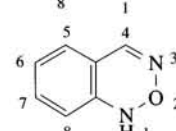
$C_3N_2O-C_6$
2*H*-1,2,3-Benzoxadiazine
6, **637-644**



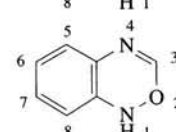
2*H*-1,2,4-Benzoxadiazine
6, **645-680, 737-781**



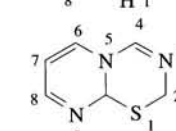
1*H*-2,1,3-Oxadiazine
8, **479-491**



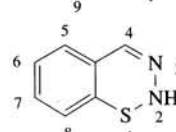
1*H*-2,1,4-Oxadiazine
6, **681-694**



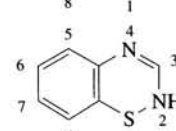
$C_3N_2S-C_4N_2$
2*H*-Pyrimido[2,1-*b*]-1,3,5-thiadiazine
8, **713-727**



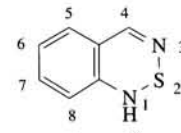
$C_3N_2S-C_6$
2*H*-1,2,3-Benzothiadiazine
6, **637-644**



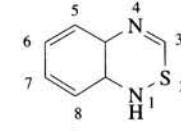
2*H*-1,2,4-Benzothiadiazine
6, **737-781; 9, 701**



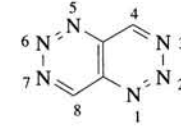
1*H*-2,1,3-Benzothiadiazine
8, **479-491**



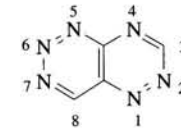
2*H*-2,1,4-Oxadiazine
6, **681-694**



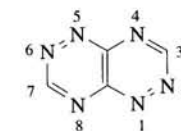
$C_3N_3-C_3N_3$
1,2,3-Triazino[4,5-*e*]-1,2,3-triazine
7, **785-840**



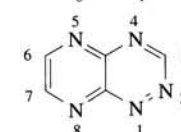
1,2,3-Triazino[4,5-*e*]-1,2,4-triazine
7, **785-840**



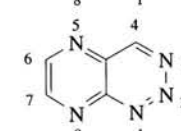
1,2,4-Triazino[6,5-*e*]-1,2,4-triazine
7, **785-840**



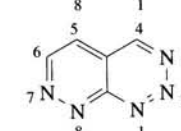
$C_3N_3-C_4N_2$
Pyrazino[2,3-*e*]-1,2,4-triazine
7, **785-840**



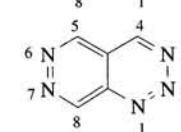
Pyrazino[2,3-*d*]-1,2,3-triazine
7, **785-840**



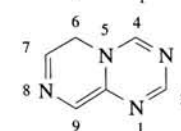
Pyridazino[3,4-*d*]-1,2,3-triazine
7, **785-840**



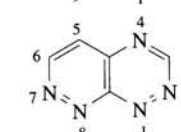
Pyridazino[4,5-*d*]-1,2,3-triazine
7, **785-840**



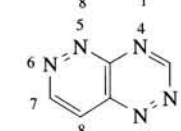
6*H*-Pyrazino[1,2-*a*]-1,3,5-triazine
8, **713-727**



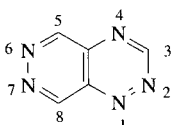
Pyridazino[4,3-*e*]-1,2,4-triazine
7, **785-840**



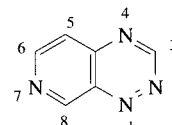
Pyridazino[3,4-*e*]-1,2,4-triazine
7, **785-840**



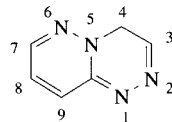
Pyridazino[4,5-*e*]-1,2,4-triazine
7, **785–840**



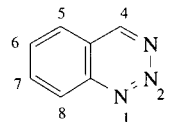
Pyrido[4,3-*e*]-1,2,4-triazine
7, 392, **625–677**



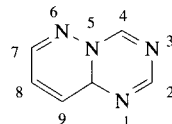
4*H*-Pyridazino[6,1-*c*][1,2,4]triazine
8, 363, **713–727**



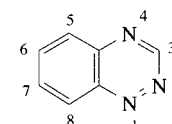
C₃N₃-C₆
1,2,3-Benzotriazine
6, 568, **483–505**; 8, 817



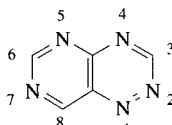
9*aH*-Pyridazino[1,6-*a*]-1,3,5-triazine
8, **713–727**



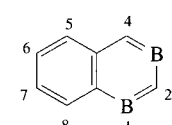
1,2,4-Benzotriazine
3, 183; 4, 87; 5, 242; 6, **507–573**;
8, 817; 9, 362



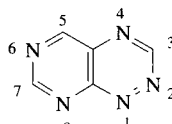
Pyrimido[4,5-*e*]-1,2,4-triazine
6, 508; 7, 254, **785–840**



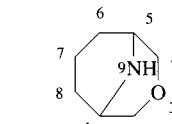
C₄B₂-C₆
Benzo[*d*]-1,3-diborin
1, 338



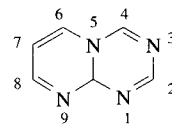
Pyrimido[5,4-*e*]-1,2,4-triazine
7, **785–840**



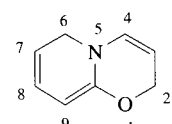
C₄NO-C₅N
3-Oxa-6-azoniapiro[5.5]undecane
8, **1109–1133**



9*aH*-Pyrimido[1,2-*a*]-1,3,5-triazine
8, **713–727**

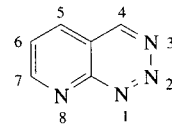


2*H*,6*H*-Pyrido[2,1-*b*][1,3]oxazine
5, 156; 6, 347; 8, **563–595**

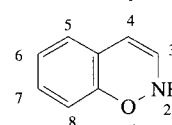


C₃N₃-C₅N

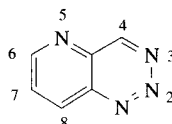
Pyrido[2,3-*d*]-1,2,3-triazine
7, **625–677**



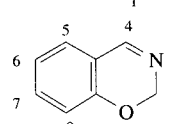
C₄NO-C₆
2*H*-1,2-Benzoxazine
6, **279–299**



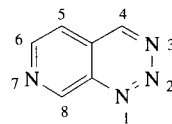
Pyrido[3,2-*d*]-1,2,3-triazine
7, **625–677**



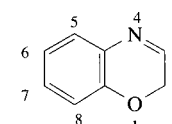
2*H*-1,3-Benzoxazine
3, 202; 4, 205, 224, 669; 6, 626;
8, 582



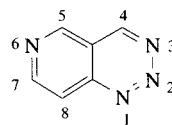
Pyrido[3,4-*d*]-1,2,3-triazine
7, **625–677**



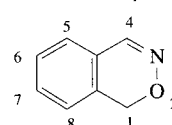
2*H*-1,4-Benzoxazine
4, 738; 8, 431, 676, 678; 9, 392



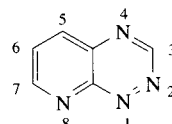
Pyrido[4,3-*d*]-1,2,3-triazine
7, **625–677**



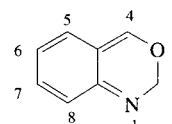
1*H*-2,3-Benzoxazine
6, **279–299**



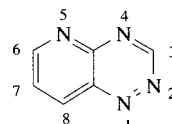
Pyrido[2,3-*e*]-1,2,4-triazine
7, **625–677**



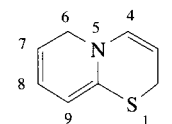
2*H*-3,1-Benzoxazine
5, 200; 6, 208, **301–348**; 6, 348;
8, 435, 655, 692, 702; 9, 606, 607



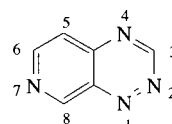
Pyrido[3,2-*e*]-1,2,4-triazine
7, **625–677**



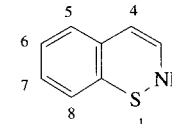
C₄NS-C₅N
2*H*,6*H*-Pyrido[2,1-*b*][1,3]thiazine
1, 1027, 1037; 4, 486; 8, **563–595**



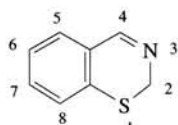
Pyrido[3,4-*e*]-1,2,4-triazine
7, **625–677**



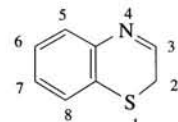
C₄NS-C₆
2*H*-1,2-Benzothiazine
1, 813; 3, 341, 341, 367; 3, 367;
7, **841–874**; 8, 689, 696, 696; 8,
704



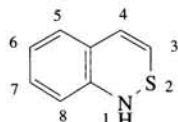
2*H*-1,3-Benzothiazine
6, **383–413**, 566; 8, 431; 9, 230,
231, 493, 525, 623



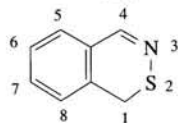
2*H*-1,4-Benzothiazine
8, 431, 582, 696; 9, 562



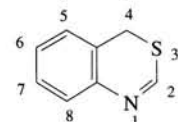
1*H*-2,1-Benzothiazine
9, 566



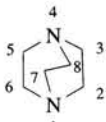
1*H*-2,3-Benzothiazine
7, **841–874**



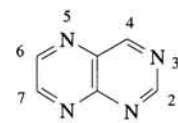
4*H*-3,1-Benzothiazine
3, 367; 4, 405; 6, 348; 8, 657



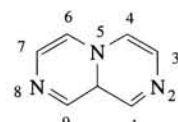
C₄N₂-C₄N₂
1,4-Diazabicyclo[2.2.2]octane
8, 900



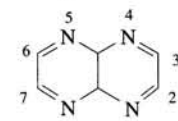
Pteridine
7, 421, **679–736**, 800; 8, 426



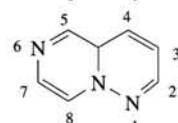
9*aH*-Pyrazino[1,2-*a*]pyrazine
8, **633–706**



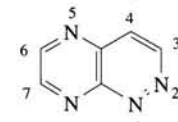
Pyrazino[2,3-*b*]pyrazine
3, 198; 6, 79; 7, **737–783**



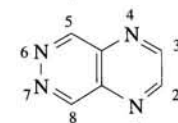
4*aH*-Pyrazino[1,2-*b*]pyridazine
8, **633–706**



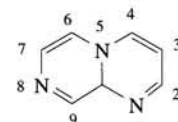
Pyrazino[2,3-*c*]pyridazine
7, **737–783**



Pyrazino[2,3-*d*]pyridazine
6, 927; 7, **737–783**, 570



9*aH*-Pyrazino[1,2-*a*]pyrimidine
8, **633–706**



9*aH*-Pyrazino[1,2-*c*]pyrimidine
8, **633–706**

Pyridazino[1,2-*a*]pyridazine
8, **747–832**; 9, 150

Pyridazino[3,4-*c*]pyridazine
7, **737–783**

Pyridazino[4,3-*c*]pyridazine
7, **737–783**

Pyridazino[4,5-*c*]pyridazine
7, **737–783**

Pyridazino[4,5-*d*]pyridazine
7, **737–783**

9*aH*-Pyrimido[1,2-*b*]pyridazine
7, **737–783**

Pyrimido[4,5-*c*]pyridazine
7, **737–783**

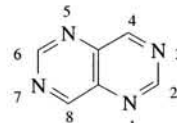
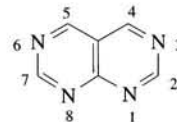
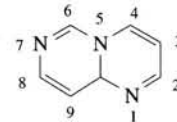
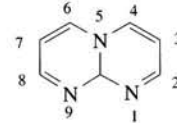
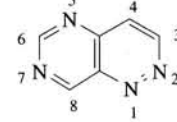
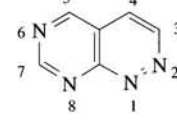
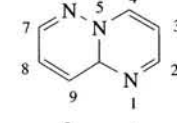
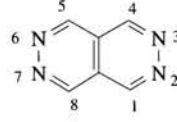
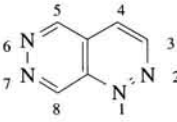
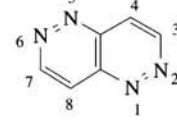
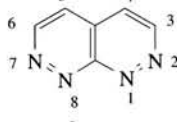
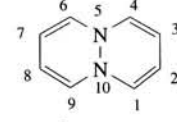
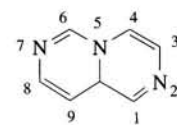
Pyrimido[5,4-*c*]pyridazine
7, **737–783**

9*aH*-Pyrimido[1,2-*a*]pyrimidine
7, **737–783**

9*aH*-Pyrimido[1,6-*c*]pyrimidine
7, **737–783**

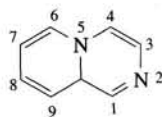
Pyrimido[4,5-*d*]pyrimidine
7, **737–783**

Pyrimido[5,4-*d*]pyrimidine
7, 452, 453, **737–783**

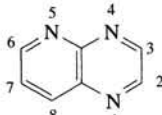


C₄N₂-C₅N

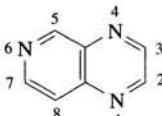
9a*H*-Pyrido[1,2-*a*]pyrazine
8, 563-595



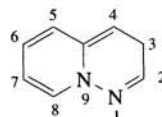
Pyrido[2,3-*b*]pyrazine
5, 79; 7, 376, 561-624; 8, 1039,
1050



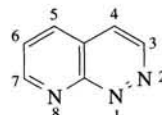
Pyrido[3,4-*b*]pyrazine
1, 72; 7, 561-624



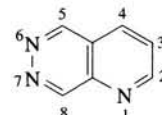
3*H*-Pyrido[1,2-*b*]pyridazine
8, 563-595



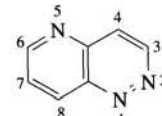
Pyrido[2,3-*c*]pyridazine
7, 561-624



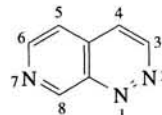
Pyrido[2,3-*d*]pyridazine
6, 932; 7, 561-624; 9, 311



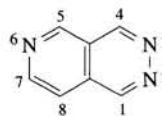
Pyrido[3,2-*c*]pyridazine
7, 220, 561-624; 8, 609



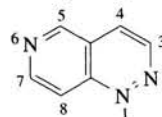
Pyrido[3,4-*c*]pyridazine
7, 561-624



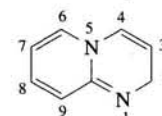
Pyrido[3,4-*d*]pyridazine
6, 927; 7, 561-624



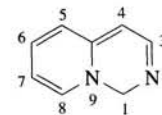
Pyrido[4,3-*c*]pyridazine
7, 561-624



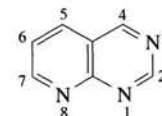
2*H*-Pyrido[1,2-*a*]pyrimidine
5, 273; 8, 563-595



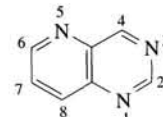
1*H*-Pyrido[1,2-*c*]pyrimidine
5, 88; 7, 858; 8, 563-595



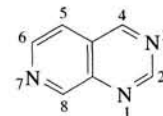
Pyrido[2,3-*d*]pyrimidine
7, 800, 561-624; 8, 720; 9, 321



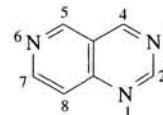
Pyrido[3,2-*d*]pyrimidine
3, 483; 6, 183; 7, 561-624



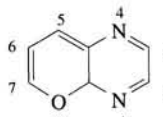
Pyrido[3,4-*d*]pyrimidine
7, 341, 561-624



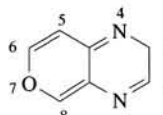
Pyrido[4,3-*d*]pyrimidine
6, 594; 7, 341, 561-624

C₄N₂-C₅O

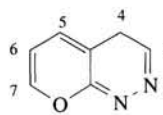
8a*H*-Pyrano[2,3-*b*]pyrazine
7, 561-624



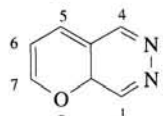
3*H*-Pyrano[3,4-*b*]pyrazine
7, 561-624



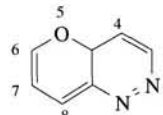
4*H*-Pyrano[2,3-*c*]pyridazine
7, 561-624



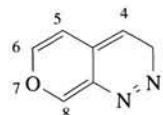
8a*H*-Pyrano[2,3-*d*]pyridazine
7, 561-624



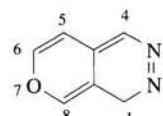
4a*H*-Pyrano[3,2-*c*]pyridazine
7, 561-624



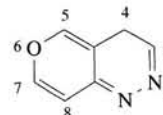
3*H*-Pyrano[3,4-*c*]pyridazine
7, 561-624



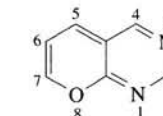
1*H*-Pyrano[3,4-*d*]pyridazine
7, 561-624



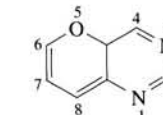
4*H*-Pyrano[4,3-*c*]pyridazine
7, 561-624



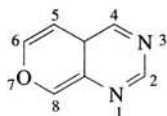
2*H*-Pyrano[2,3-*d*]pyrimidine
5, 364; 7, 561-624



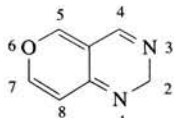
4a*H*-Pyrano[3,2-*d*]pyrimidine
7, 561-624



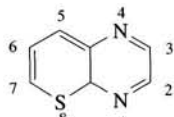
4a*H*-Pyrano[3,4-*d*]pyrimidine
7, **561-624**



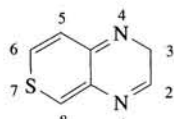
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7, **561-624**



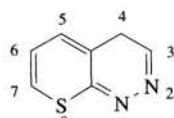
C₄N₂-C₅S
8a*H*-Thieno[2,3-*b*]pyrazine
7, **561-624**



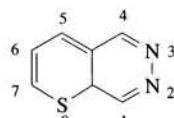
3*H*-Thieno[3,4-*b*]pyrazine
7, **561-624**



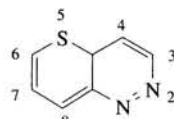
4*H*-Thieno[2,3-*c*]pyridazine
7, **561-624**



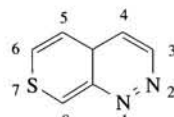
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7, **561-624**



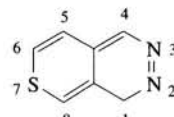
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7, **561-624**



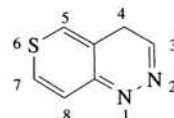
4a*H*-Thieno[3,4-*c*]pyridazine
7, **561-624**



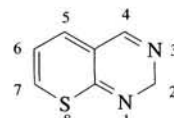
1*H*-Thieno[3,4-*d*]pyridazine
7, **561-624**



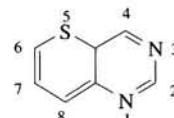
4*H*-Thieno[4,3-*c*]pyridazine
7, **561-624**



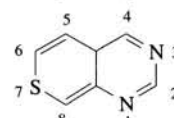
2*H*-Thieno[2,3-*d*]pyrimidine
7, **561-624**



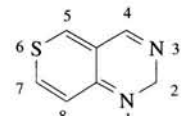
4a*H*-Thieno[3,2-*d*]pyrimidine
7, **561-624**



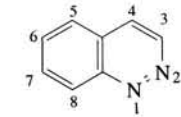
4a*H*-Thieno[3,4-*d*]pyrimidine
7, **561-624**



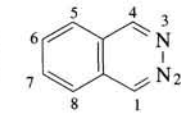
2*H*-Thieno[4,3-*d*]pyrimidine
7, **561-624**



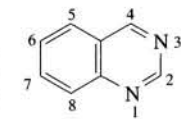
C₄N₂-C₆
Cinnoline
6, **1-91**; 8, 815, 828



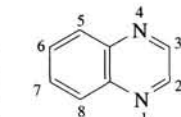
Phthalazine
6, **1-91**, 931; 7, 240; 8, 648, 669;
786, 814, 819, 821, 826; 9, 48,
49, 686



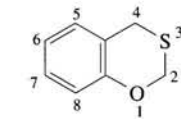
Quinazoline
1, 29, 35, 43, 66, 67, 96; 2, 686; 3,
54, 413; 4, 191, 205; 4, 218, 279,
395, 405, 508, 658; 5, 235; 6, 20,
66, **93-231**, 316, 317, 472; 7,
238, 390, 895, 896; 8, 179, 426,
435, 438, 441, 649, 651, 652, 654, 656, 657, 663, 666,
667, 669, 671, 673, 674, 675, 676, 687, 692, 693, 694,
695; 9, 155, 311, 316, 321, 700, 718



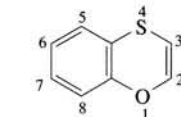
Quinoxaline
1, 81; 3, 123, 219, 646; 4, 146, 244,
245; 6, **233-278**; 6, 691; 7, 750,
751, 821; 7, 833, 891, 891; 7, 896,
614, 614; 8, 305, 433, 650; 8, 658,
696; 4, 89, 91; 9, 170, 362



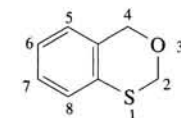
C₄OS-C₆
4*H*-1,3-Benzoxathiin
6, **415-445, 447-481**



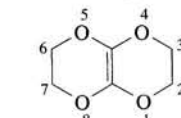
1,4-Benzoxathiin
3, 536



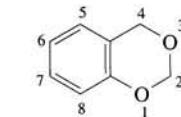
4*H*-3,1-Benzoxathiin
3, 367, 524, 602; 6, **415-445**;
9, 494



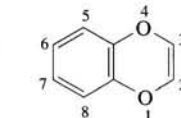
C₄O₂-C₄O₂
[1,4]Dioxolo[2,3-*b*]-1,4-dioxin
6, 463



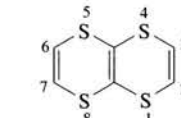
C₄O₂-C₆
4*H*-1,3-Benzodioxin
5, 429; 6, **415-445, 447-481**; 7,
940



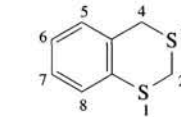
1,4-Benzodioxin
3, 624; 4, 598; 5, 481; 6, 82, 89; 9,
273, 278, 587



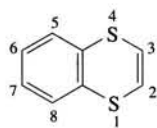
C₄S₂-C₄S₂
[1,4]Dithiino[2,3-*b*]-1,4-dithiin
3, 630



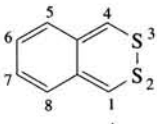
C₄S₂-C₆
4*H*-1,3-Benzodithiin
6, **415-445, 447-481**



1,4-Benzodithiin
3, 639; 9, 382, 385, 586



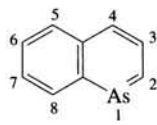
2,3-Benzodithiin
9, 589



C₅As-C₅As
1-Arsabicyclo[2.2.2]octane
5, 675



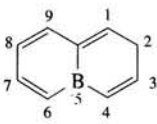
C₅As-C₆
Arsinoline
5, 675



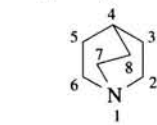
C₅B-C₅B
9-Borabicyclo[3.3.1]nonane
8, 902, 905, 906, 908, 909, 917, 918,
924, 925, 926, 928



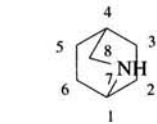
2*H*-Borino[1.2-*a*]borin
8, 889-931



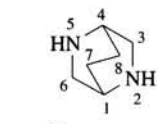
C₅N-C₅N
1-Azabicyclo[2.2.2]octane
4, 118, 212, 330; 5, 253; 6, 276



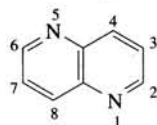
7-Azabicyclo[2.2.2]octane
1, 90



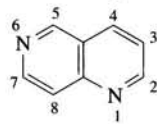
2,5-Diazabicyclo[2.2.2]octane
6, 256



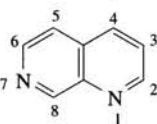
1,5-Naphthyridine
7, 527-559; 8, 1036



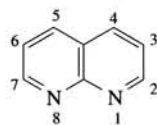
1,6-Naphthyridine
2, 625; 6, 593; 7, 527-559



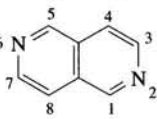
1,7-Naphthyridine
7, 527-559



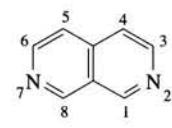
1,8-Naphthyridine
5, 273, 277; 7, 220, 527-559; 8,
582, 1036, 1038; 8, 1039



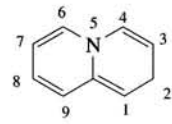
2,6-Naphthyridine
7, 527-559



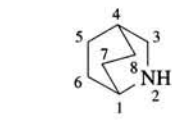
2,7-Naphthyridine
7, 527-559



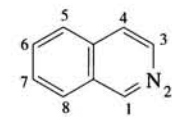
2*H*-Quinolizine
2, 251; 3, 581; 5, 154; 8, 57, 237-
248; 8, 507-562; 8, 1055



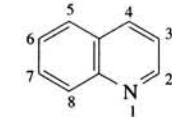
C₅N-C₆
2-Azabicyclo[2.2.2]octane
5, 141, 142; 9, 427



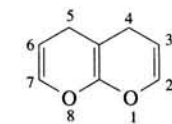
Isoquinoline
1, 16, 40, 54, 68, 72, 81, 85, 89, 410,
696, 805, 986; 2, 33, 434, 691; 4,
60, 62, 72, 81, 194, 481; 5, 20,
22, 23, 91-134, 135-165, 167-
243; 7, 376, 607, 608, 612, 613, 614, 654, 655, 870,
940, 889, 892, 893; 8, 269, 275, 276, 277, 407, 410,
412, 413, 516, 529, 531, 534, 535, 538, 540, 542, 543,
544, 547, 549, 560, 567, 610, 611, 615, 616, 619, 623,
1124; 9, 121, 193, 212, 230, 231, 608



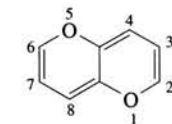
Quinoline
1, 82, 90, 528, 535, 1034; 2, 35, 402,
213, 224, 225; 3, 54, 60, 340, 345,
348, 541; 4, 91, 95, 263, 304; 5,
19, 37-89, 91-134, 135-165,
167-243, 245-300, 381; 6, 64, 88, 89, 742, 929, 1013;
7, 203, 218, 297, 375, 385, 933, 934, 937, 938, 940,
943, 944, 889, 890, 892, 894, 895, 898, 602, 606, 607,
608, 611, 612, 616, 647, 655, 656, 657; 8, 173, 269,
272, 281, 284, 616, 619, 625, 628, 917, 919, 1124; 9,
212, 213, 392, 510



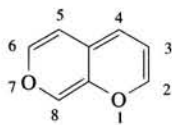
C₅O-C₅O
4*H*,5*H*-Pyrano[2,3-*b*]pyran
7, 527-559



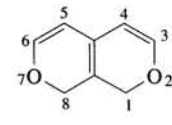
Pyrano[3,2-*b*]pyran
7, 527-559



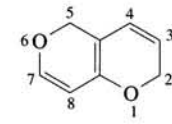
Pyrano[3,4-*b*]pyran
7, 527-559



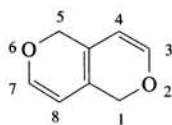
1*H*,8*H*-Pyrano[3,4-*c*]pyran
7, 527-559



2*H*,5*H*-Pyrano[4,3-*b*]pyran
7, 527-559

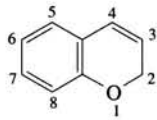


1*H*,5*H*-Pyrano[4,3-*c*]pyran
7, 527-559

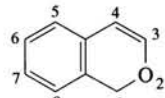


C₅O-C₆2*H*-Chromene

1, 45, 405, 407, 440, 445, 445, 786, 818; 2, 213, 225, 336, 371, 392, 403, 718; 3, 367, 554, 563; 4, 148, 673; 5, 236, **301-350, 351-468**, 474, 477, 479, 481, 483, 485, 490, 491, 493, 494, 495, 496, 498; 6, 89, 237, 767; 7, 652, 653, 658, 663, 664, 667, 890, 893, 894, 932, 938, 939, 940, 941; 8, 303, 484; 9, 176, 194, 223, 284, 321, 327, 351, 588, 612

1*H*-Isochromene

4, 599; 5, 213, 238, **301-350, 351-468**; 7, 659, 671, 674; 8, 549, 554, 556; 9, 136, 213



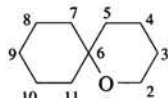
2-Oxabicyclo[2.2.2]octane

5, 481



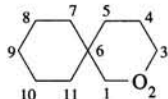
1-Oxaspiro[5.5]undecane

5, 346



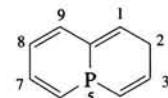
2-Oxaspiro[5.5]undecane

1, 131

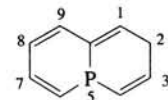
C₅P-C₅P

1-Phosphabicyclo[2.2.2]octane

5, 654

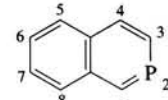
2*H*-Phosphorino[1,2-*a*]phosphorin

8, **863-888**

C₅P-C₆

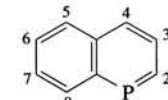
Isophosphinoline

2, 796; 5, **639-668**



Phosphinoline

5, **639-668**

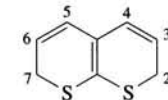
C₅S-C₅S

9-Thiabicyclo[3.3.1]nonane

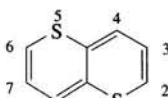
1, 258

4*H*,5*H*-Thiino[2,3-*b*]thiin

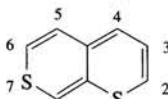
7, **527-559**

Thiino[3,2-*b*]thiin

7, **527-559**

Thiino[3,4-*b*]thiin

7, **527-559**

1*H*,8*H*-Thiino[3,4-*c*]thiin

7, **527-559**

2*H*,5*H*-Thiino[4,3-*b*]thiin

7, **527-559**

Thiino[4,3-*c*]thiin

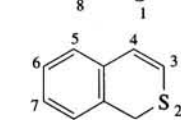
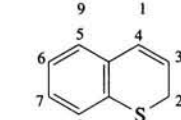
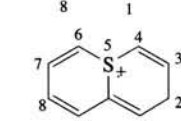
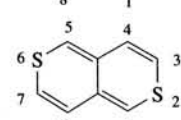
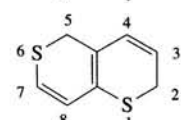
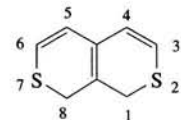
7, **527-559**

2*H*-Thiino[1,2-*a*]thiin-5-ium

8, **833-862**

C₅S-C₆2*H*-1-Benzothiin

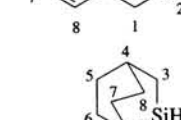
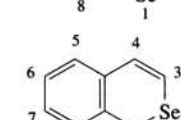
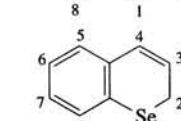
2, 539, 704, 949; 3, 581; 5, 367, **501-617**, 631, 632; 9, 230, 455, 648

1*H*-2-Benzothiin

3, 339; 4, 597; 5, **501-617**; 8, 838

C₅Se-C₆2*H*-1-Benzoselenin

5, **619-637**

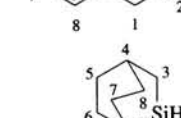
1*H*-2-Benzoselenin

5, **619-637**

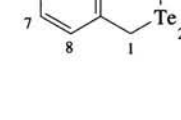
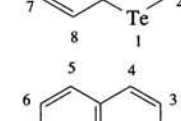
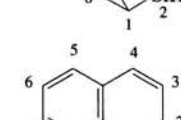
C₅Si-C₆

2-Silabicyclo[2.2.2]octane

1, 883

C₅Te-C₆2*H*-1-Benzotellurin

5, **619-637**

1*H*-2-Benzotellurin

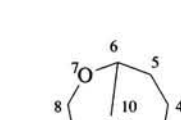
5, **619-637**

6,7

C₄NO-C₆N

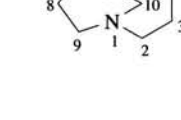
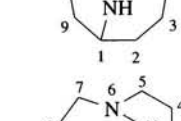
7-Oxa-10-azabicyclo[4.3.1]decane

1, 79

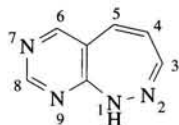
C₄N₂-C₅N₂

1,6-Diazabicyclo[4.3.1]decane

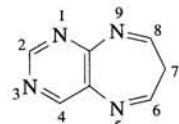
8, 779



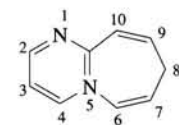
1*H*-Pyrimido[4,5-*c*]-1,2-diazepine
7, 601



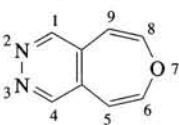
7*H*-Pyrimido[4,5-*b*][1,4]diazepine
7, 713, 717, 722, 731



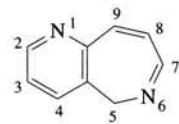
C₄N₂-C₆N
Pyrimido[1,2-*a*]azepine
9, 796



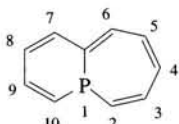
C₄N₂-C₆O
Oxepino[4,5-*d*]pyridazine
9, 48



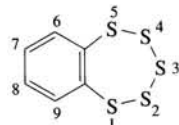
C₅N-C₆N
5*H*-Pyrido[3,2-*c*]azepine
9, 39



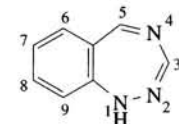
C₅P-C₆P
Phosphino[1,2-*a*]phosphepin
1, 292



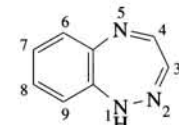
C₆-C₂S₅
Benzopentathiepin
4, 297; 6, 478



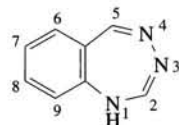
C₆-C₄N₃
1*H*-1,2,4-Benzotriazepine
9, 309-331



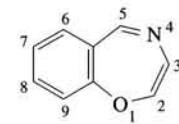
1*H*-1,2,5-Benzotriazepine
9, 342



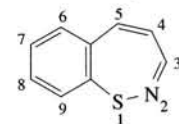
1*H*-1,3,4-Benzotriazepine
9, 309-331



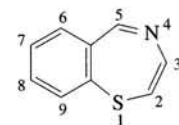
C₆-C₅NO
1,4-Benzoxazepine
1, 698; 3, 299



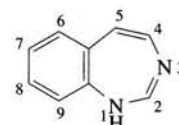
C₆-C₅NS
1,2-Benzothiazepine
3, 345, 345



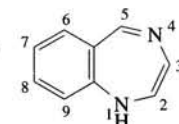
1,4-Benzothiazepine
1, 672; 3, 347



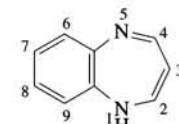
C₆-C₅N₂
1*H*-1,3-Benzodiazepine
8, 407



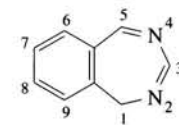
1*H*-1,4-Benzodiazepine
1, 46, 82, 950; 4, 221; 9, 151-182,
600, 603



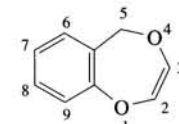
1*H*-1,5-Benzodiazepine
3, 218; 4, 194



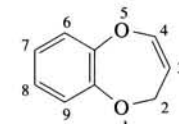
2,4-Benzodiazepine
8, 407



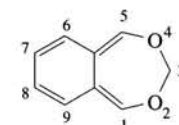
C₆-C₅O₂
5*H*-1,4-Benzodioxepin
9, 274, 280, 284



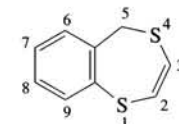
2*H*-1,5-Benzodioxepin
6, 461; 9, 273, 274, 284



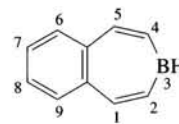
2,4-Benzodioxepin
9, 239-269



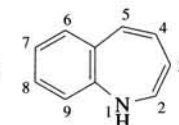
C₆-C₅S₂
5*H*-1,4-Benzodithiepin
9, 296, 715



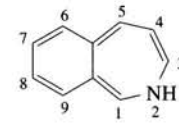
C₆-C₆B
3*H*-3-Benzoborepin
9, 996, 1023-1031



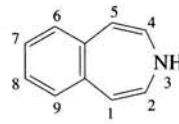
C₆-C₆N
1*H*-Benzazepine
1, 84, 356, 671; 7, 25; 9, 1-43, 145,
621



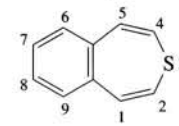
2*H*-2-Benzazepine
4, 72; 9, 473



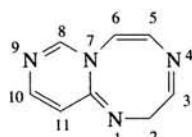
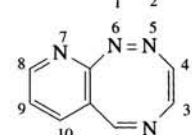
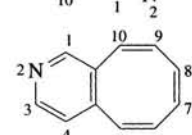
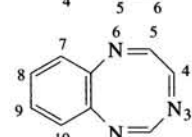
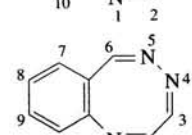
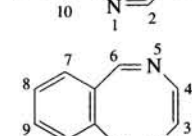
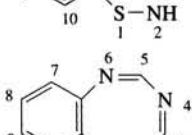
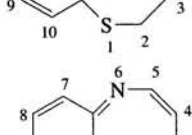
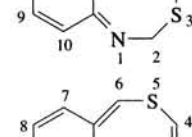
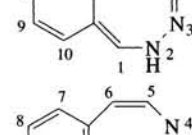
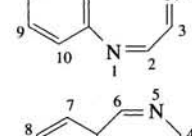
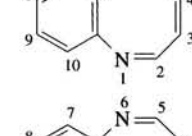
3*H*-3-Benzazepine
5, 148, 162; 9, 424



C₆-C₆S
3-Benzothiepin
5, 581



6,8

 $C_4N_2-C_5N_3$ 2*H*-Pyrimido[1,6-*a*][1,3,6]triazocine
9, 651-703 $C_5N-C_5N_3$ Pyrido[3,2-*g*][2,5,6]triazocine
9, 651-703 C_5N-C_8 Cycloocta[*c*]pyridine
5, 207 $C_6-C_5N_3$ 1,3,6-Benzotriazocine
9, 651-7031,4,5-Benzotriazocine
9, 651-703 $C_6-C_5N_2S$ 2*H*-1,2,5-Benzothiadiazocine
9, 651-7032*H*-1,4,6-Benzothiadiazocine
6, 6542*H*-3,1,6-Benzothiadiazocine
9, 651-7032*H*-5,2,3-Benzothiadiazocine
9, 651-703 $C_6-C_6N_2$ 1,4-Benzodiazocine
9, 5431,5-Benzodiazocine
8, 779; 9, 591-6501,6-Benzodiazocine
9, 531, 532, 536, 539, 540

2,5-Benzodiazocine

8, 779; 9, 540, 544, 545

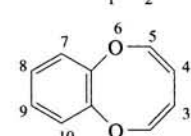
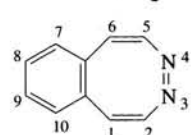
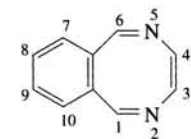
3,4-Benzodiazocine

1, 356; 9, 459-494

 $C_6-C_6O_2$

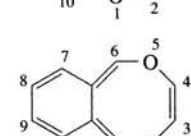
1,6-Benzodioxocin

9, 567, 568, 573, 575



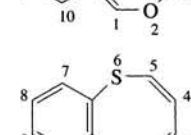
2,5-Benzodioxocin

9, 567, 569, 576

 $C_6-C_6S_2$

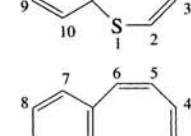
1,6-Benzodithiocin

9, 582, 585, 586

 C_6-C_7N

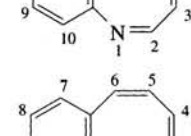
1-Benzazocine

1, 389; 8, 995, 1009

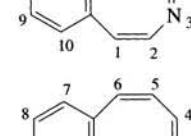


3-Benzazocine

9, 415

 C_6-C_7S 2*H*-1-Benzothiocin

2, 468

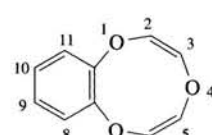


6,9

 $C_6-C_6O_3$

1,4,7-Benzotrioxonin

9, 863-892

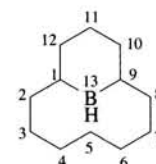


6,10

 C_5B-C_9B

13-Borabicyclo[7.3.1]tridecane

8, 896, 897



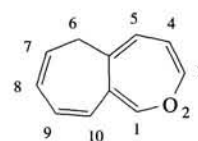
C₅N-C₉N

C₅N-C₉N
13-Azabicyclo[7.3.1]tridecane
8, 897, 899

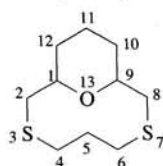


7,7

C₆O-C₇
Cyclohept[*c*]oxepin
1, 100

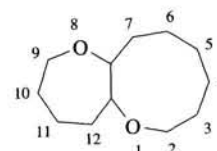


C₅O-C₇OS₂
13-Oxa-3,7-dithiabicyclo[7.3.1]
tridecane
9, 893-923

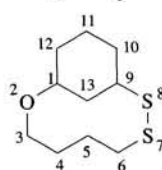


7,9

C₆O-C₈O
Oxepino[3,2-*b*]oxonin
1, 440



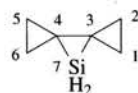
C₆-C₇OS₂
2-Oxa-7,8-dithiabicyclo[7.3.1]
tridecane
9, 893-923



Ring Index (7,7)

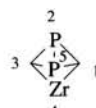
3,3,3-3,7,9

C₂Si-C₃-C₃
7-Siladispiro[2.0.2.1]heptane
1, 310, 312

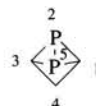


3,3,4

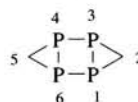
CP₂-CP₂-C₃PZr
2,5-Diphospha-4-zirconatricyclo[1.1.1.0^{2,5}]pentane
1, 476



CP₂-CP₂-C₃P
2,5-Diphosphatricyclo[1.1.1.0^{2,5}]pentane
1, 476

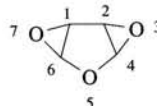


CP₂-CP₂-P₄
1,3,4,6-Tetraphosphatricyclo[3.1.1.0^{2,4}]hexane
1, 476, 481

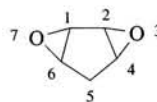


3,3,5

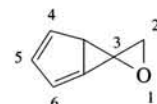
C₂O-C₂O-C₄O
3,5,7-Trioxatricyclo[4.1.0.0^{2,4}]heptane
4, 593



C₂O-C₂O-C₅
3,7-Dioxatricyclo[4.1.0.0^{2,4}]heptane
1, 155, 162

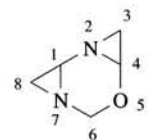


C₂O-C₃-C₅
Spiro[bicyclo[3.1.0]hexane[2,2'-oxirane]
1, 101

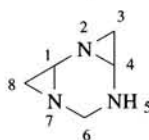


3,3,6

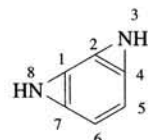
C₂N-C₂N-C₃N₂O
5-Oxa-2,7-diazatricyclo[5.1.0.0^{2,4}]octane
1, 21, 75



C₂N-C₂N-C₃N₃
2,5,7-Triazatricyclo[5.1.0.0^{2,4}]octane
1, 21, 75

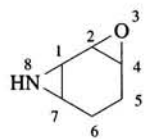
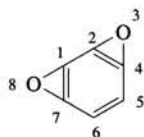
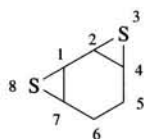
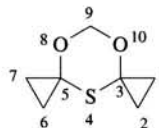
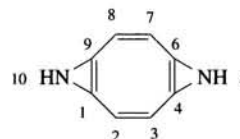
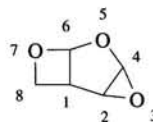
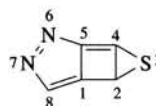
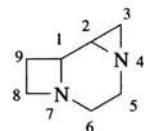


C₂N-C₂N-C₆
3,8-Diazatricyclo[5.1.0.0^{2,4}]octane
1, 84; 9, 537

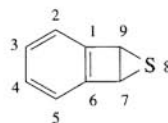


C₂N-C₂O-C₆*Ring Index (3,3,8)*

690

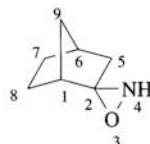
C₂N-C₂O-C₆3-Oxa-8-azatricyclo[5.1.0.0^{2,4}]octane
9, 551**C₂O-C₂O-C₆**3,8-Dioxatricyclo[5.1.0.0^{2,4}]octane
1, 162, 168; **9**, 572**C₂S-C₂S-C₆**3,8-Dithiatricyclo[5.1.0.0^{2,4}]octane
9, 585**C₃-C₃-C₃O₂S**8,10-Dioxa-4-thiadispiro[2.1.2.3]decane
1, 237**3,3,8****C₂N-C₂N-C₈**5,10-Diazatricyclo[7.1.0.0^{4,6}]decane
1, 88**3,4,4****C₂N-C₃N-C₃N**6-Azatricyclo[2.1.1.0^{3,6}]hexane
1, 76**3,4,5****C₂O-C₃O-C₄O**3,5,7-Trioxatricyclo[4.2.0.0^{2,4}]octane
1, 440**C₂S-C₄-C₃N₂**3-Thia-6,7-diazatricyclo[3.3.0.0^{2,4}]octane
1, 75**3,4,6****C₂N-C₃N-C₄N₂**4,7-Diazatricyclo[5.2.2.0.0^{2,4}]nonane
1, 75

$C_2S-C_4-C_6$
8-Thiatricyclo[4.3.0.0^{7,9}]nonane
1, 75

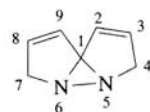


3,5,5

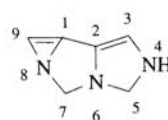
$CNO-C_5-C_5$
Spiro[bicyclo[2.2.1]heptane-2,3'-oxazirine]
1, 383, 385, 387, 388, 413



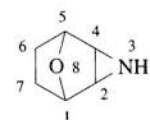
$CN_2-C_4N-C_4N$
5,6-Diazatricyclo[4.3.0.0^{1,6}]nonane
1, 353



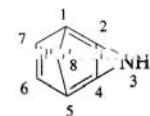
$C_2N-C_3N_2-C_3N_2$
1*H*,3*H*,4*H*-Azirino[2,1-*e*]imidazo[4,3-*c*]imidazole
1, 79



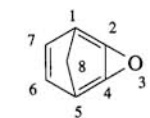
$C_2N-C_4O-C_4O$
8-Oxa-3-azatricyclo[3.2.1.0^{2,4}]octane
1, 56



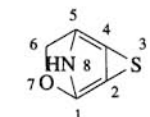
$C_2N-C_5-C_5$
3-Azatricyclo[3.2.1.0^{2,4}]octane
1, 37, 68, 70, 79



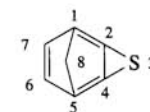
$C_2O-C_5-C_5$
3-Oxatricyclo[3.2.1.0^{2,4}]octane
1, 146, 153, 162, 166, 793



$C_2S-C_3NO-C_4N$
7-Oxa-3-thia-8-azabicyclo[3.2.1.0^{2,4}]octane
1, 201

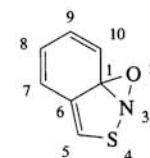


$C_2S-C_5-C_5$
3-Thiatricyclo[3.2.1.0^{2,4}]octane
1, 242, 245

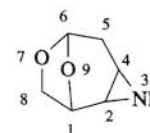


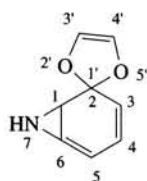
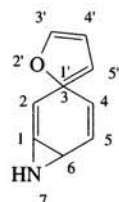
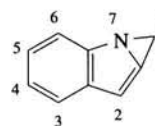
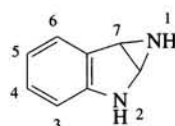
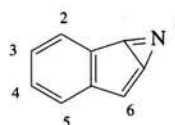
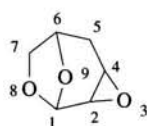
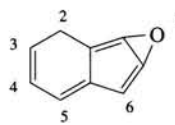
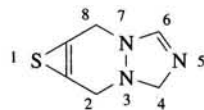
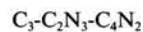
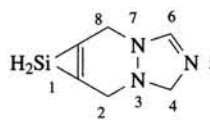
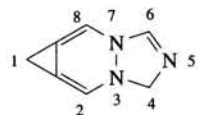
3,5,6

$CNO-C_3NS-C_6$
2-Oxa-5-thia-3-azatricyclo[4.4.0.0^{1,3}]decane
1, 399

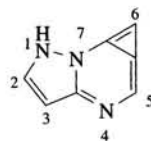


$C_2N-C_3O_2-C_5O$
7,9-Dioxo-3-azatricyclo[4.2.1.0^{2,4}]nonane
1, 50



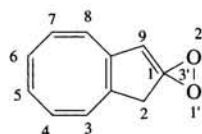
Spiro[7-azabicyclo[4.1.0]heptane-2,2'-[1,3]dioxole]
1, 67Spiro[7-azabicyclo[4.1.0]heptane-3,2'-[1,3]dioxole]
1, 67Azirino[1,2-*a*]indole
1, 72Azirino[2,3-*b*]indole
1, 66Indeno[1,2-*b*]azirine
1, 76; 4, 60, 623,8,9-Trioxatricyclo[4.2.1.0^{2,4}]nonane
1, 503-Oxa-9-azatricyclo[3.3.1.0^{2,4}]nonane
5, 222*H*-Indeno[1,2-*b*]oxirene
1, 392; 2, 3854*H*-Thiiireno[2,3-*d*][1,2,4]triazolo[1,2-*a*]pyridazine
1, 220, 245, 2529-Oxa-3-thiatricyclo[3.3.1.0^{2,4}]nonane
1, 3261*H*,4*H*-Silireno[2,3-*d*][1,2,4]triazolo[1,2-*a*]pyridazine
1, 3304*H*-Cyclopropa[*d*][1,2,4]triazolo[1,2-*a*]pyridazine
1, 252

C₃-C₃N₂-C₄N₂
 1*H*-Cyclopropa[*e*]pyrazolo[1,5-*a*]pyrimidine
 9, 148



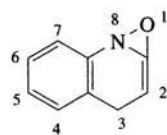
3,5,8

CO₂-C₅-C₈
 Spiro[bicyclo[6.3.0]undecane-10,3'-dioxirane]
 1, 433, 454

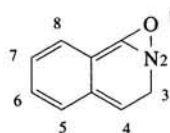


3,6,6

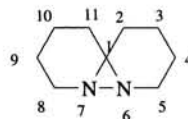
CNO-C₅N-C₆
 3*H*-Oxazirino[2,3-*a*]quinoline
 5, 250



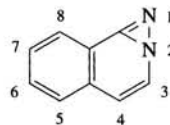
3*H*-Oxazirino[3,2-*a*]isoquinoline
 1, 410



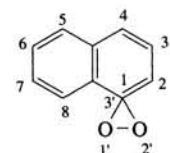
CN₂-C₅N-C₅N
 6,7-Diazatricyclo[5.4.0.0^{1,7}]undecane
 1, 353



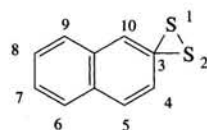
CN₂-C₅N-C₆
 Diazirino[3,1-*a*]isoquinoline
 1, 353



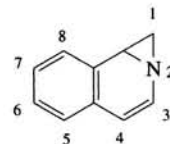
CO₂-C₆-C₆
 Spiro[naphthalene-1,3'-dioxirane]
 1, 433



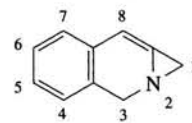
CS₂-C₆-C₆
 Spiro[naphthalene-2,3'-dithirane]
 1, 450



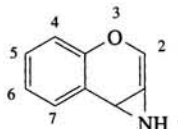
C₂N-C₅N-C₆
 Azirino[2,1-*a*]isoquinoline
 1, 72, 85, 87, 89, 90



Azirino[1,2-*b*]isoquinoline
 1, 81



C₂N-C₅O-C₆
 1*H*-Azirino[2,3-*c*]chromene
 1, 45



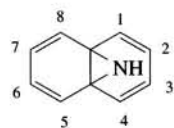
C₂N-C₆-C₆

Ring Index (3,6,6)

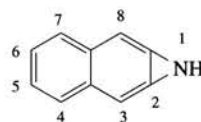
694

C₂N-C₆-C₆

Naphthalen-4a,8a-imine
1, 84

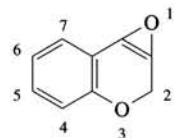


Naphth[2,3-*b*]azirine
1, 79



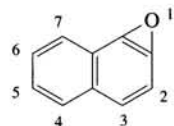
C₂O-C₅O-C₆

2*H*-Oxireno[*c*]chromene
1, 440

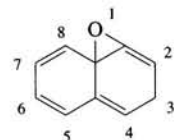


C₂O-C₆-C₆

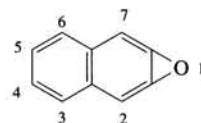
Naphth[1,2-*b*]oxirene
1, 169



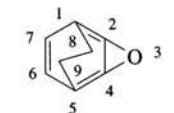
3*H*-Naphth[1,8a-*b*]oxirene
1, 129



Naphth[2,3-*b*]oxirene
1, 146, 161, 170

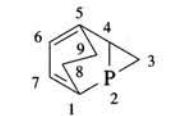


3-Oxatricyclo[3.2.2.0^{2,4}]nonane
1, 146



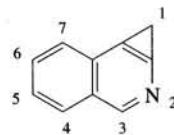
C₂P-C₅P-C₆

2-Phosphatricyclo[3.2.2.0^{2,7}]nonane
1, 303



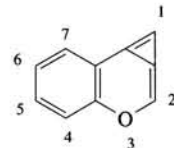
C₃-C₅N-C₆

1*H*-Cycloprop[*c*]isoquinoline
5, 181



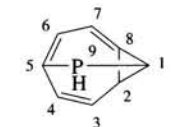
C₃-C₅O-C₆

Cyclopropa[*c*]chromene
5, 403



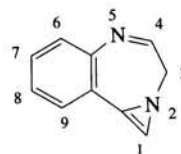
C₃-C₅P-C₅P

9-Phosphatricyclo[3.3.1.1^{2,8}]nonane
1, 292

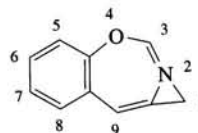


3,6,7

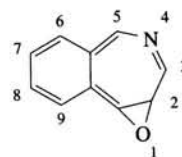
$C_2N-C_6-C_5N_2$
 Azirino[1,2-*d*][1,4]benzodiazepine
 1, 46



$C_2N-C_6-C_5NO$
 1*H*-Azirino[2,1-*c*]-1,3-benzoxazepine
 1, 68

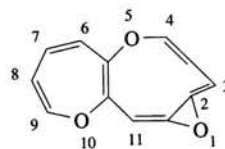


$C_2O-C_6-C_6N$
 2*H*-Oxireno[2,3-*c*]-2-benzazepine
 1, 81



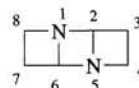
3,7,9

$C_2O-C_6O-C_8O$
 Azireno[2,3:5',6']oxepino[3,2-*b*]oxonin
 1, 440

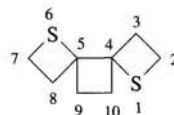


4,4,4-4,6,6

$C_3N-C_3N-C_3N$
1,5-Diazatricyclo[4.2.0.0^{2,5}]octane
1, 585

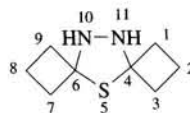


$C_3S-C_3S-C_4$
2,8-Dithiadispiro[3.1.3.1]decane
1, 803-821



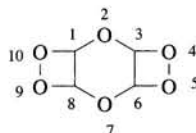
4,4,5

$C_4-C_4-C_2N_2S$
5-Thia-10,11-diazadispiro[3.1.3.2]undecane
1, 180



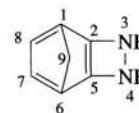
4,4,6

$C_2O_2-C_2O_2-C_4O_2$
2,4,5,7,9,10-Hexaoxatricyclo[6.2.0.0^{3,6}]decane
1, 1046, 1074; 6, 461

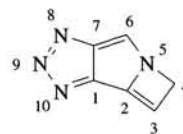


4,5,5

$C_2N_2-C_5-C_5$
3,4-Diazatricyclo[4.2.1.0^{2,5}]nonane
1, 933, 945

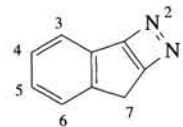


$C_3N-C_2N_3-C_4N$
5,8,9,10-Tetraazatricyclo[5.3.0.0^{2,5}]undecane
1, 75

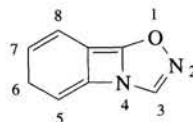


4,5,6

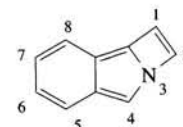
$C_2N_2-C_5-C_6$
7*H*-Indeno[1,2-*c*]-1,2-diazete
1, 933



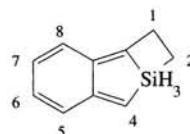
$C_3N-C_2N_2O-C_6$
6*H*-Benz[3,4]azeto[1,2-*d*]-1,2,4-oxadiazole
9, 363



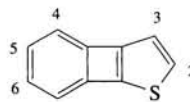
$C_3N-C_4N-C_6$
Azeto[2,1-*a*]isoindole
9, 36



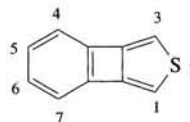
C₃Si-C₄Si-C₆
Sileto[1,2-*a*]benzo[*c*]silole
1, 319



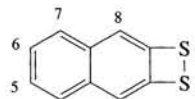
C₄-C₄S-C₆
Benzo[3,4]cyclobuta[1,2-*b*]thiophene
2, 526



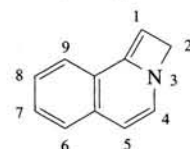
Benzo[3,4]cyclobuta[1,2-*c*]thiophene
2, 526

**4,6,6**

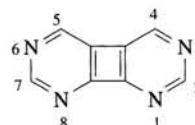
C₂S₂-C₆-C₆
Naphtho[2,3-*c*]dithiete
1, 450



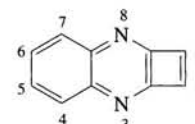
C₃N-C₅N-C₆
2*H*-Azeto[2,1-*a*]isoquinoline
1, 617, 663, 680, 696



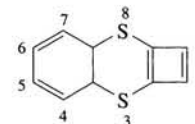
C₄-C₄N₂-C₄N₂
Cyclobuta[1,2-*d*:4,3-*d'*]dipyrimidine
6, 168



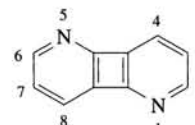
C₄-C₄N₂-C₆
Cyclobuta[*b*]quinoxaline
9, 543



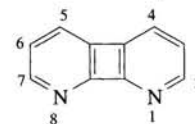
C₄-C₄S₂-C₆
Benzo[*b*]cyclobuta[*e*][1,4]dithiin
9, 585



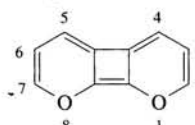
C₄-C₅N-C₅N
Cyclobuta[1,2-*b*:3,4-*b'*]dipyridine
5, 145



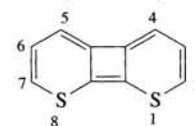
Cyclobuta[1,2-*b*:4,3-*b'*]dipyridine
7, **875-919**



C₄-C₅O-C₅O
Cyclobuta[1,2-*b*:4,3-*b'*]dipyran
7, **875-919**

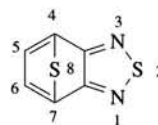


C₄-C₅S-C₅S
Cyclobuta[1,2-*b*:4,3-*b'*]dithiin
7, **875-919**

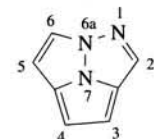


5,5,5-5,6,8

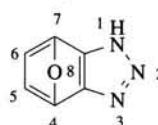
C₂N₂S-C₄S-C₄S
4,7-Epithio-2,1,3-benzothiadiazole
4, 247



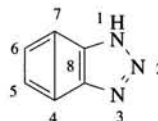
C₂N₃-C₃N₂-C₄N
1,6a-Diaza[2.2.2]cyclazine
8, 769



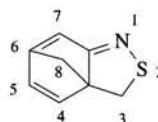
C₂N₃-C₄O-C₄O
4,7-Epoxy-1*H*-benzotriazole
1, 56



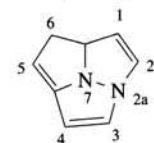
C₂N₃-C₅-C₅
4,7-Methano-1*H*-benzotriazole
1, 68



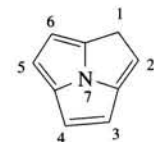
C₃NS-C₅-C₅
3*H*-3a,6-Methano-2,1-benzisothiazole
1, 11, 41, 399, 413



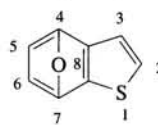
C₃N₂-C₃N₂-C₄N
2a-Aza[2.2.2]cyclazine
8, 769



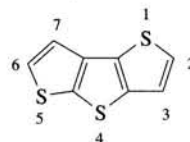
C₄N-C₄N-C₄N
1*H*-[2.2.2]Cyclazine
8, 933-966



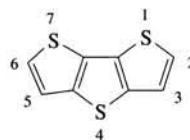
C₄O-C₄O-C₄S
4,7-Epoxybenzo[*b*]thiophene
2, 542



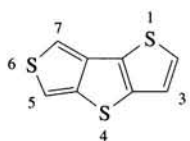
C₄S-C₄S-C₄S
Dithieno[2,3-*b*:2',3'-*d*]thiophene
2, 458, 500; **7**, 13



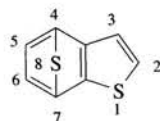
Dithieno[3,2-*b*:2',3'-*d*]thiophene
2, 705, 715



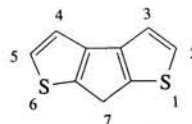
Dithieno[3,4-*b*:3',4'-*d*]thiophene
2, 500



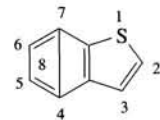
4,7-Epithiobenzo[*b*]thiophene
2, 523



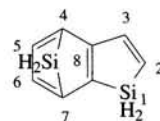
C₄S-C₄S-C₅
7*H*-Cyclopenta[1,2-*b*:4,3-*b'*]dithiophene
2, 712



C₄S-C₅-C₅
4,7-Methanobenzo[*b*]thiophene
1, 198

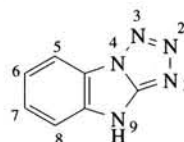


C₄Si-C₄Si-C₄Si
4,7-Silano-1*H*-1-silaindene
2, 907

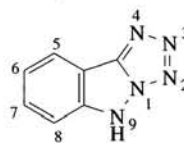


5,5,6

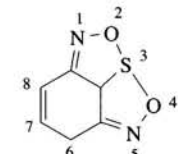
CN₄-C₃N₂-C₆
9*H*-Tetrazolo[4,5-*a*]benzimidazole
8, 227-236



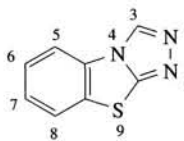
9*H*-Tetrazolo[4,5-*b*]indazole
8, 227-236



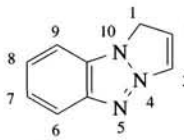
C₂NOS-C₂NOS-C₆
3λ⁴-6*H*-[1,2,5]Oxathiazolo[4,3,2-*hi*][2,1,3]benzoxathiole
4, 410, 421, 423, 426, 429, 432



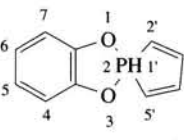
C₂N₃-C₃NS-C₆
1,2,4-Triazolo[3,4-*b*]benzothiazole
3, 416



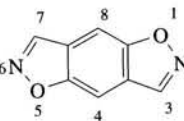
C₂N₃-C₃N₂-C₆
1*H*,5*H*-Pyrazolo[1,2-*a*]benzotriazole
4, 42, 57, 64



C₂O₂P-C₄P-C₆
Spiro[1,3,2-benzodioxaphosphole-2,1'-[1*H*]phosphole]
8, 1163



C₃NO-C₃NO-C₆
Benzo[1,2-*d*:4,5-*d'*]diisoxazole
4, 53



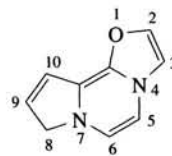
C₃NO-C₄N-C₄N₂

Ring Index (5,5,6)

700

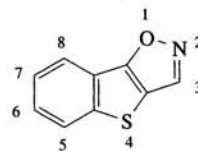
C₃NO-C₄N-C₄N₂

8*H*-Oxazolo[3,2-*a*]pyrrolo[2,1-*c*]pyrazine
8, 300, 364



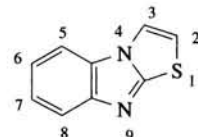
C₃NO-C₄S-C₆

[1]Benzothieno[2,3-*a*]isoxazole
2, 530

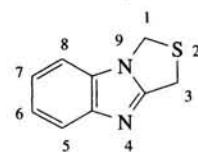


C₃NS-C₃N₂-C₆

Thiazolo[3,2-*a*]benzimidazole
3, 453

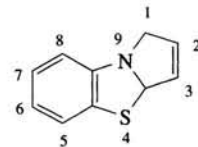


1*H*,3*H*-Thiazolo[3,4-*a*]benzimidazole
3, 466

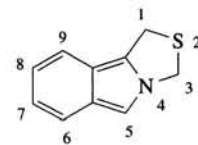


C₃NS-C₄N-C₆

1*H*-Pyrrolo[2,1-*b*]benzothiazole
3, 427, 453

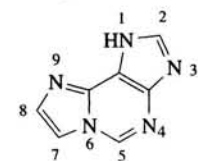


1*H*,3*H*-Thiazolo[4,3-*a*]isoindole
4, 705



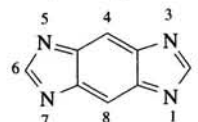
C₃N₂-C₃N₂-C₄N₂

1*H*-Imidazo[2,1-*f*]purine
7, 415, 503

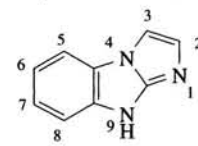


C₃N₂-C₃N₂-C₆

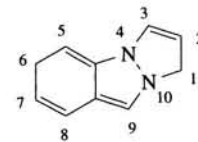
Benzo[1,2-*d*:4,5-*d'*]diimidazole
7, **841-874**



9*H*-Imidazo[1,2-*a*]benzimidazole
1, 942

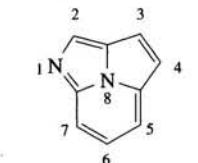


1*H*,6*H*-Pyrrazolo[1,2-*a*]indazole
9, 607

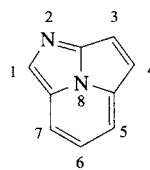


C₃N₂-C₄N-C₅N

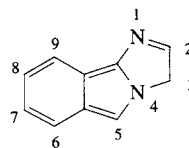
1-Aza[2.2.3]cyclazine
8, 268



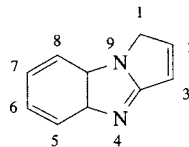
2-Aza[2.2.3]cyclazine
8, 268



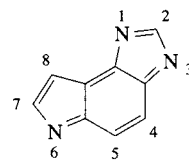
C₃N₂-C₄N-C₆
3*H*-Imidazo[2,1-*a*]isoindole
9, 536, 543



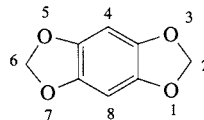
1*H*-Pyrrolo[1,2-*a*]benzimidazole
9, 539, 557



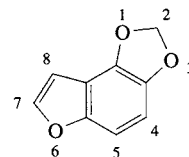
Pyrrolo[2,3-*e*]benzimidazole
7, 841-874



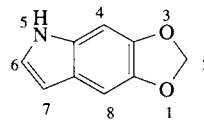
C₃O₂-C₃O₂-C₆
Benzo[1,2-*d*:4,5-*d'*]di-1,3-dioxin
7, 841-874



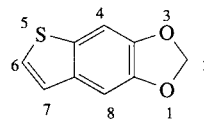
C₃O₂-C₄O-C₆
2*H*-Furo[2,3-*e*]-1,3-benzodioxole
7, 841-874



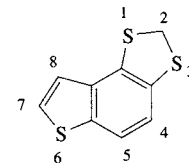
C₃O₂-C₄N-C₆
5*H*-1,3-Dioxolo[4,5-*f*]indole
2, 106



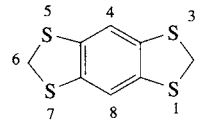
C₃O₂-C₄S-C₆
Thieno[2,3-*f*]-1,3-benzodioxole
7, 19



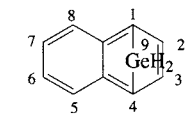
C₃S₂-C₄S-C₆
2*H*-Thiopheno[2,3-*e*]-1,3-benzothiophene
7, 875-919



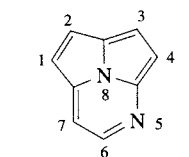
C₃S₂-C₃S₂-C₆
Benzo[1,2-*d*:4,5-*d'*]di[1,3]dithiin
7, 875-919



C₄Ge-C₄Ge-C₆
1,4-Germanonaphthalene
1, 323, 330, 1185



C₄N-C₄N-C₄N₂
5-Aza[2.2.3]cyclazine
8, 9



C₄N-C₄N-C₅N

6-Aza[2.2.3]cyclazine
8, 8

5*H*,10*H*-Dipyrrolo[1,2-*a*:1',2'-*d*]pyrazine
2, 180, 181; 8, 39

C₄N-C₄N-C₅N
[2.2.3]Cyclazine
8, 8, 240, 241, 242, 245, 1015

C₄N-C₄N-C₆
Benzo[1,2-*b*:4,5-*b'*]dipyrrole
2, 211; 7, **875-919**

Benzo[1,2-*b*:5,4-*b'*]dipyrrole
2, 211

Naphthalen-1,4-imine
1, 44, 71; 2, 156

1*H*-Pyrrolo[1,2-*a*]indole
1, 56, 69, 390; 3, 274; 6, 241

Pyrrolo[2,3-*b*]indole
2, 99, 100, 177; 9, 147, 505

C₄N-C₄O-C₆
1*H*-Benzofuro[2,3-*c*]pyrrole
1, 125

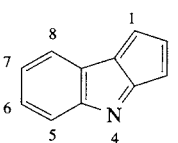
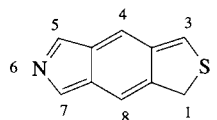
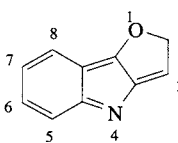
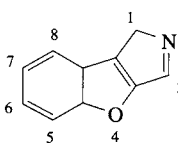
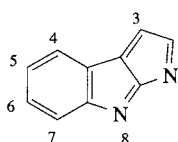
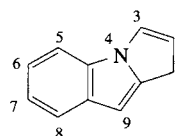
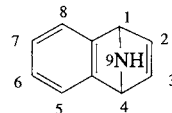
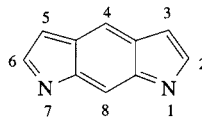
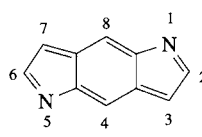
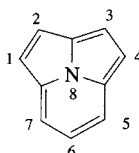
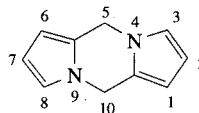
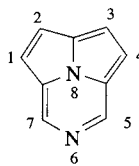
2*H*-Furo[3,2-*b*]indole
2, 81

C₄N-C₄S-C₆
1*H*-Thieno[3,4-*f*]isoindole
7, 22

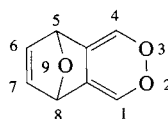
C₄N-C₅-C₆
Cyclopent[*b*]indole
7, 930

Ring Index (5,5,6)

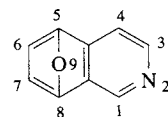
702



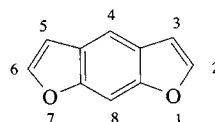
C₄O-C₄O-C₄O₂
5,8-Epoxy-2,3-benzodioxin
1, 253



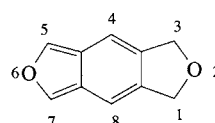
C₄O-C₄O-C₃N
5,8-Epoxyisoquinoline
7, 222, 371



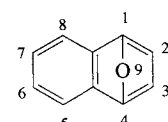
C₄O-C₄O-C₆
Benzo[1,2-*b*:5,4-*b'*]difuran
1, 1068; 7, **841-874**



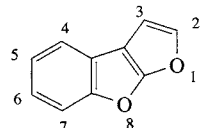
1*H*,3*H*-Benzo[1,2-*c*:4,5-*c'*]difuran
2, 420



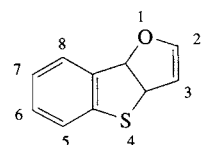
1,4-Epoxy-naphthalene
2, 382; 4, 273



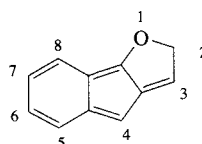
Furo[2,3-*b*]benzofuran
1, 168; 2, 310, 319



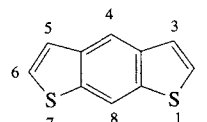
C₄O-C₄S-C₆
[1]Benzothieno[3,2-*b*]furan
2, 547, 660, 688



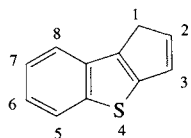
C₄O-C₅-C₆
2*H*-Indeno[1,2-*b*]furan
2, 398



C₄S-C₄S-C₆
Benzo[1,2-*b*:5,4-*b'*]dithiophene
2, 565; 7, **841-874**

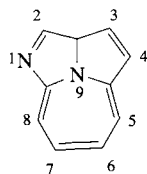


C₄S-C₅-C₆
1*H*-Benzo[*b*]cyclopenta[*d*]thiophene
2, 693



5,5,7

C₃N₂-C₄N-C₆N
2*aH*-1-Aza[2.2.4]cyclazine
8, 42

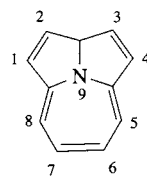


C₄N-C₄N-C₆N

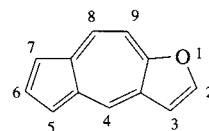
Ring Index (5,5,8)

704

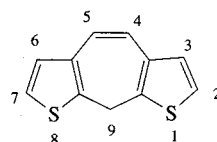
C₄N-C₄N-C₆N
2a*H*-[2.2.4]Cyclazine
8, 6



C₄O-C₅-C₇
Azuleno[6,5-*b*]furan
2, 303, 304

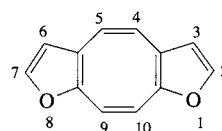


C₄S-C₄S-C₇
9*H*-Cyclohepta[2,1-*b*:4,5-*b'*]dithiophene
2, 545

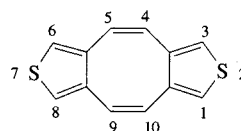


5,5,8

C₄O-C₄O-C₈
Cycloocta[1,2-*b*:6,5-*b'*]difuran
2, 320

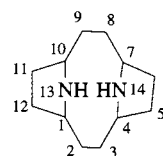


C₄S-C₄S-C₈
Cycloocta[1,2-*c*:5,6-*c'*]dithiophene
2, 525, 526, 567



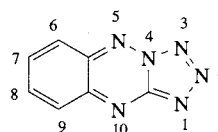
5,5,10

C₄N-C₄N-C₈N₂
13,14-Diazatricyclo[8.2.1.1^{4,7}]tetradecane
1, 88

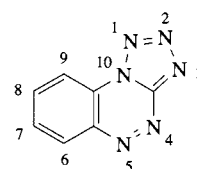


5,6,6

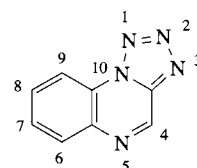
CN₄-C₃N₃-C₆
Tetrazolo[1,5-*b*][1,2,4]benzotriazine
6, 521



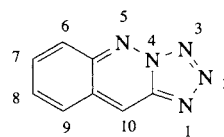
Tetrazolo[5,1-*c*][1,2,4]benzotriazine
6, 521



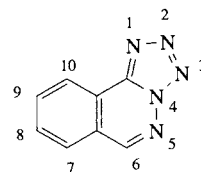
CN₄-C₄N₂-C₆
Tetrazolo[1,5-*b*]cinnoline
8, 465-477



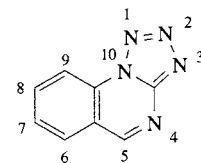
Tetrazolo[5,1-*a*]phthalazine
8, 465–477



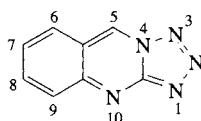
Tetrazolo[1,5-*a*]quinazoline
8, 465–477



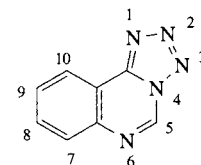
Tetrazolo[1,5-*b*]quinazoline
8, 465–477



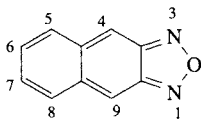
Tetrazolo[1,5-*c*]quinazoline
8, 465–477



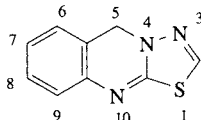
Tetrazolo[1,5-*a*]quinoxaline
1, 72; 8, 465–477



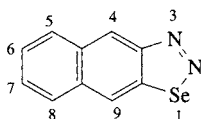
$C_2N_2O-C_6-C_6$
 Naphtho[2,3-*c*][1,2,5]oxadiazole
4, 179–228



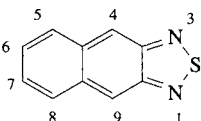
$C_2N_2S-C_4N_2-C_6$
 5*H*-1,3,4-Thiadiazolo[2,3-*b*]quinazoline
4, 403



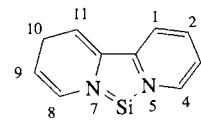
$C_2N_2Se-C_6-C_6$
 Naphtho[2,3-*d*][1,2,3]selenadiazole
1, 274; 4, 757



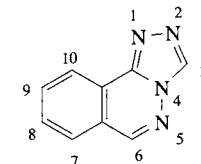
Naphtho[2,3-*d*][1,2,5]selenadiazole
4, 749, 762



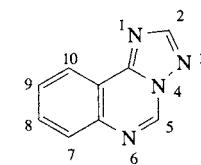
$C_2N_2Si-C_5N-C_5N$
 10*H*-[1,3,2]Diazasilolo[3,4-*a*:5,1-*a'*]pyridine
1, 313



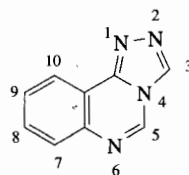
$C_2N_3-C_4N_2-C_6$
 1,2,4-Triazolo[3,4-*a*]phthalazine
6, 14



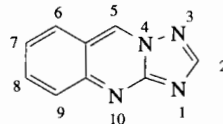
[1,2,4]Triazolo[1,5-*c*]quinazoline
6, 193



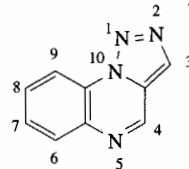
2,4-Triazolo[4,3-*c*]quinazoline
8, 417-443



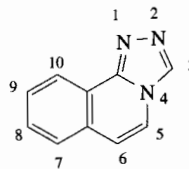
[1,2,4]Triazolo[5,1-*b*]quinazoline
4, 149



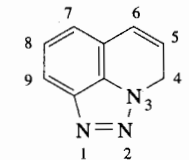
[1,2,3]Triazolo[1,5-*a*]quinoxaline
8, 417-443



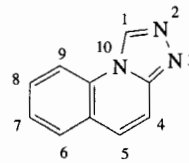
C₂N₃-C₅N-C₆
 1,2,4-Triazolo[3,4-*a*]isoquinoline
5, 86



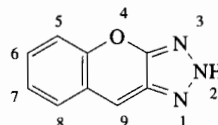
4*H*-1,2,3-Triazolo[4,5,1-*ij*]quinoline
4, 60



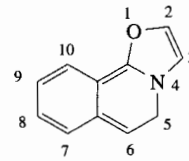
[1,2,4]Triazolo[4,3-*a*]quinoline
5, 86



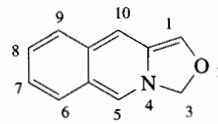
C₂N₃-C₅O-C₆
 Chromeno[2,3-*d*]-1,2,3-triazole
4, 67



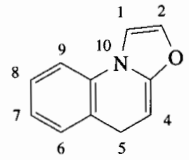
C₃NO-C₅N-C₆
 Isoxazolo[4,3-*c*]quinoline
3, 237



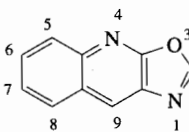
3*H*-Oxazolo[3,4-*b*]isoquinoline
5, 186

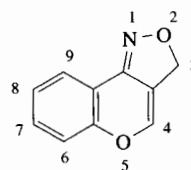
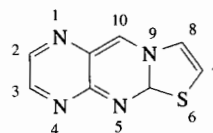
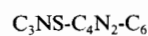
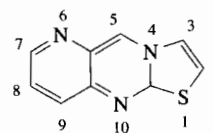
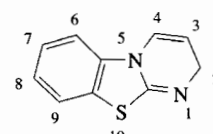


5*H*-Oxazolo[3,2-*a*]quinoline
5, 105

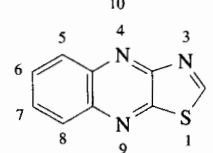
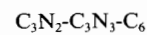
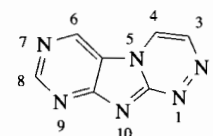
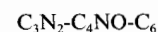
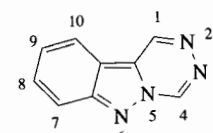
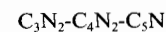
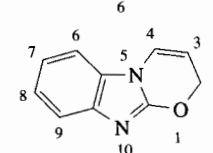
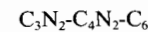
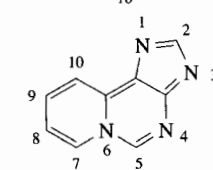
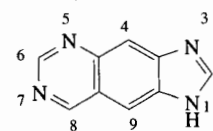


Oxazolo[5,4-*b*]quinoline
1, 82

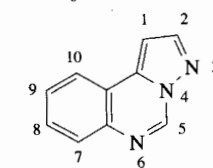


3*H*-Chromeno[4,3-*c*]isoxazole
1, 3725*aH*-Thiazolo[2,3-*b*]pteridine
3, 45410*aH*-Pyrido[3,2-*d*]thiazolo[3,2-*a*]pyrimidine
3, 4542*H*-Pyrimido[2,1-*b*]benzothiazole
3, 414Thiazolo[4,5-*b*]quinoxaline

7, 836

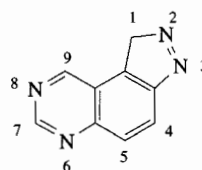
[1,2,4]Triazino[3,4-*f*]purine
8, 1078, 1079, 1087[1,2,4]Triazino[4,5-*b*]indazole
4, 2762*H*-[1,3]Oxazino[3,2-*a*]benzimidazole
3, 172; 9, 557Pyrido[2,1-*f*]purine
9, 6871*H*-Imidazo[4,5-*g*]quinazoline
6, 229, 230Pyrazolo[1,5-*a*]quinazoline

8, 817



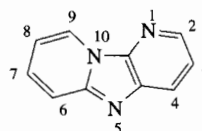
C₃N₂-C₅N-C₅N

Pyrzolo[1,5-*c*]quinazoline
8, 427



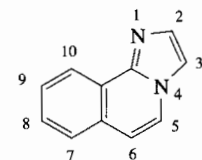
C₃N₂-C₅N-C₅N

Dipyrido[1,2-*a*:3',2'-*d*]imidazole
8, 1077, 1082, 1083

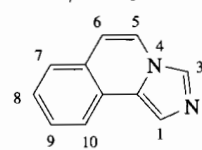


C₃N₂-C₅N-C₆

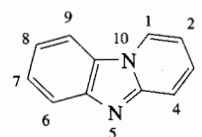
Imidazo[2,1-*a*]isoquinoline
8, 619



Imidazo[5,1-*a*]isoquinoline
3, 156; 8, 267

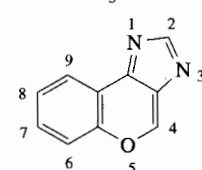


Pyrido[1,2-*a*]benzimidazole
3, 160; 5, 87, 276; 9, 777



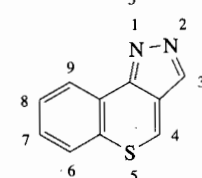
C₃N₂-C₅O-C₆

Chromeno[3,4-*d*]imidazole
7, 640, 642



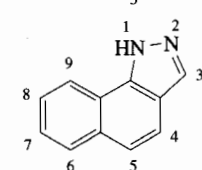
C₃N₂-C₅S-C₆

[1]Benzothiino[4,3-*c*]pyrazole
5, 560

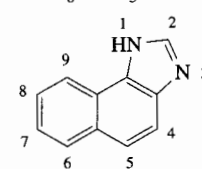


C₃N₂-C₆-C₆

1*H*-Benz[*g*]indazole
2, 415

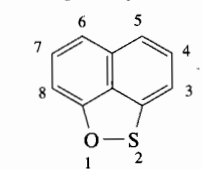


1*H*-Naphth[1,2-*d*]imidazole
6, 690



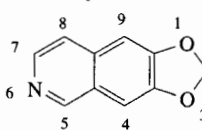
C₃OS-C₆-C₆

Naphth[1,8-*cd*]-1,2-oxathiole
3, 516

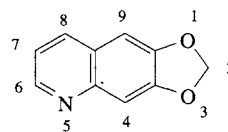


C₃O₂-C₅N-C₆

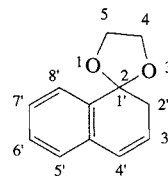
1,3-Dioxolo[4,5-*g*]isoquinoline
2, 434; 5, 185; 8, 524, 525, 550



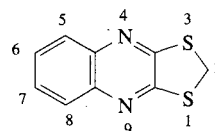
1,3-Dioxolo[4,5-*g*]quinoline
5, 277



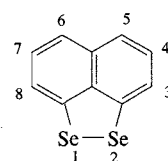
C₃O₂-C₆-C₆
Spiro[1,3-dioxolane-2,1'-(2'*H*)naphthalene]
5, 253



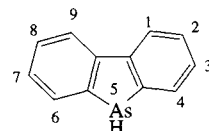
C₃S₂-C₄N₂-C₆
1,3-Dithiolo[4,5-*b*]quinoxaline
3, 646



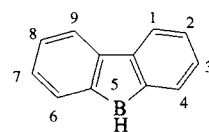
C₃Se₂-C₆-C₆
Naphtho[1,8-*cd*]-1,2-diselenole
3, 665; 9, 937



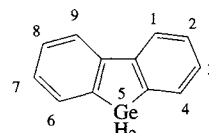
C₄As-C₆-C₆
5*H*-Dibenzarsole
9, 976



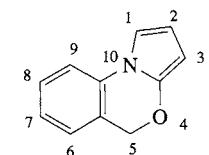
C₄B-C₆-C₆
5*H*-Dibenzoborole
1, 341



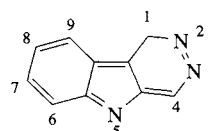
C₄Ge-C₆-C₆
5*H*-Dibenzogermole
2, 903-918



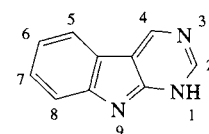
C₄N-C₄NO-C₆
5*H*-Pyrrolo[1,2-*a*][3,1]benzoxazine
6, 346



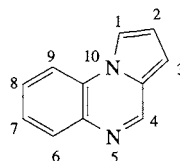
C₄N-C₄N₂-C₆
1*H*-Pyridazino[4,5-*b*]indole
6, 924; 7, 370



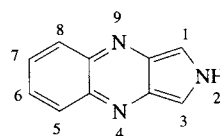
1*H*-Pyrimido[4,5-*b*]indole
7, 498



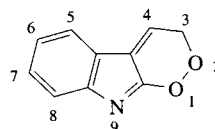
Pyrrolo[1,2-*a*]quinoxaline
6, 255



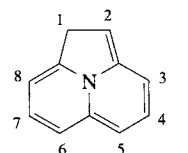
2*H*-Pyrrolo[3,4-*b*]quinoxaline
7, 751, 752



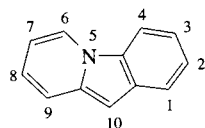
C₄N-C₄O₂-C₆
3*H*-1,2-Dioxino[3,4-*b*]indole
2, 72



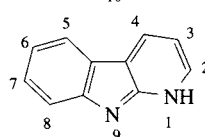
C₄N-C₅N-C₅N
1*H*-[2.3.3]Cyclazine
2, 256; 8, 243, 523



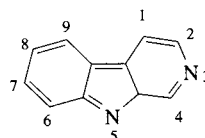
C₄N-C₅N-C₆
Pyrido[1,2-*a*]indole
8, 1065-1089



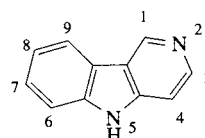
1*H*-Pyrido[2,3-*b*]indole
2, 245; 7, 368, 370; 9, 43



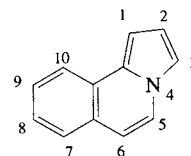
Pyrido[3,4-*b*]indole
2, 92, 95, 102, 245; 7, 370, 576; 8, 1055, 1056, 1057, 1058



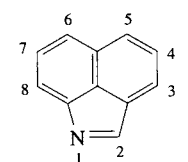
5*H*-Pyrido[4,3-*b*]indole
2, 88, 231; 7, 368; 9, 131, 135



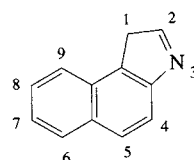
Pyrrolo[2,1-*a*]isoquinoline
7, 78; 8, 275, 557, 1065-1089



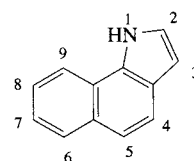
C₄N-C₆-C₆
Benz[*cd*]indole
4, 286; 7, 870, 872



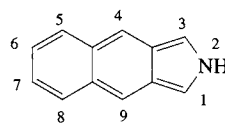
1*H*-Benz[*e*]indole
1, 9



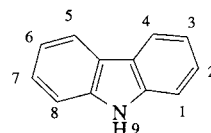
1*H*-Benz[*g*]indole
1, 704; 4, 37; 9, 485



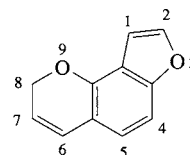
2*H*-Benz[*f*]isoindole
2, 808



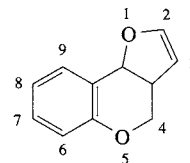
9*H*-Carbazole
2, 1-38, 119-206, 207-257; 3, 556; 4, 33, 34, 38; 5, 306; 6, 1014;
8, 16



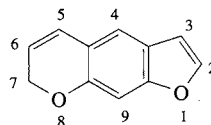
C₄O-C₅O-C₆
2*H*-Furo[2,3-*h*]chromene
2, 270



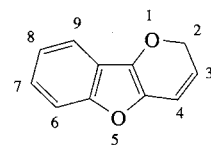
4*H*-Furo[3,2-*c*]chromene
1, 100



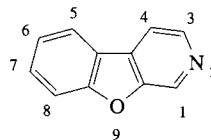
7*H*-Furo[3,2-*g*]chromene
2, 371, 373, 427



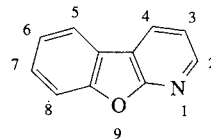
2*H*-Pyrano[3,2-*b*]benzofuran
9, 756



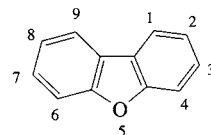
C₄O-C₅N-C₆
Benzofuro[2,3-*b*]pyridine
8, 259



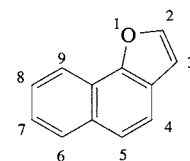
Benzofuro[2,3-*c*]pyridine
8, 1056, 1057, 1058



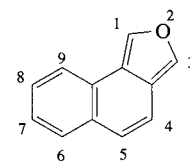
C₄O-C₆-C₆
Dibenzofuran
2, 301, 941; 5, 362



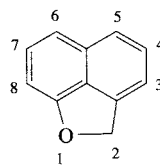
Naphtho[1,2-*b*]furan
2, 340, 614; 9, 485



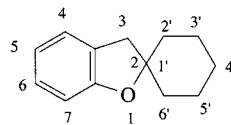
Naphtho[1,2-*c*]furan
7, 27



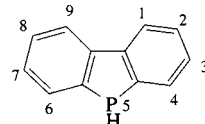
2*H*-Naphtho[1,8-*bc*]furan
3, 516



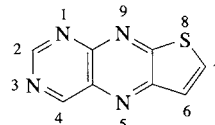
Spiro[benzofuran-2(3*H*),1'-cyclohexane]
9, 631



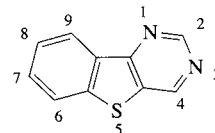
C₄P-C₆-C₆
5*H*-Dibenzophosphole
2, 757-856



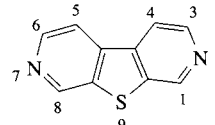
C₄S-C₄N₂-C₄N₂
Thieno[3,2-*g*]pteridine
7, 721, 734



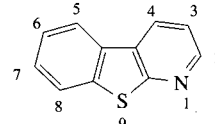
C₄S-C₄N₂-C₆
[1]Benzothieno[3,2-*d*]pyrimidine
2, 686



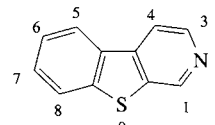
C₄S-C₅N-C₅N
Thieno[2,3-*c*:5,4-*c'*]dipyridine
7, 888



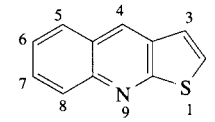
C₄S-C₅N-C₆
[1]Benzothieno[2,3-*b*]pyridine
8, 259



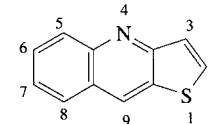
[1]Benzothieno[2,3-*c*]pyridine
8, 1057, 1058



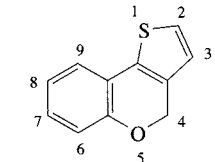
Thieno[2,3-*b*]quinoline
6, 343



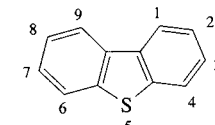
Thieno[3,2-*b*]quinoline
7, 219



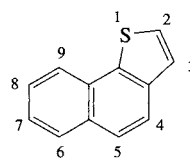
C₄S-C₅O-C₆
4*H*-Thieno[3,2-*c*]chromene
3, 622



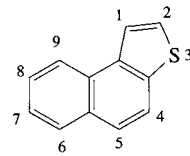
C₄S-C₆-C₆
Dibenzothiophene
2, 437-490, 511, 521, 527, 533, 737, 947; 6, 459, 461, 1002



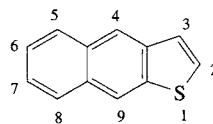
Naphtho[1,2-*b*]thiophene
2, 534



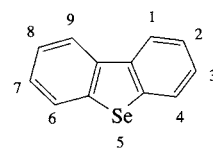
Naphtho[2,1-*b*]thiophene
2, 525, **607-677**; 7, 20



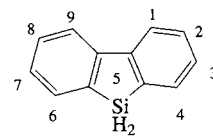
Naphtho[2,3-*b*]thiophene
2, 505; 3, 395



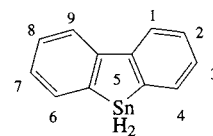
C₄Se-C₆-C₆
Dibenzoselenophene
2, 733, 737, 743, 746, 747; 6, 1002, 1005



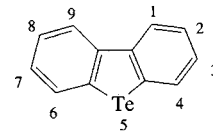
C₄Si-C₆-C₆
5*H*-Dibenzosilole
2, **903-918**, 931, 947



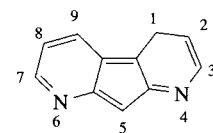
C₄Sn-C₆-C₆
5*H*-Dibenzostannole
2, **903-918**



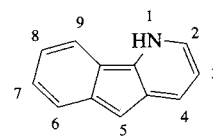
C₄Te-C₆-C₆
Dibenzotellurophene
2, 737



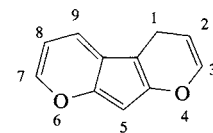
C₅-C₅N-C₅N
1*H*-Cyclopenta[1,2-*b*:4,3-*b'*]dipyridine
7, **875-919**



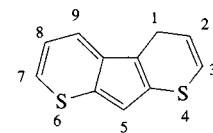
C₅-C₅N-C₆
1*H*-Indeno[1,2-*b*]pyridine
5, 240, 271; 6, 488



C₅-C₅O-C₅O
1*H*-Cyclopenta[1,2-*b*:4,3-*b'*]dipyrans
7, **875-919**



C₅-C₅S-C₅S
1*H*-Cyclopenta[1,2-*b*:4,3-*b'*]dithiin
7, **875-919**



$C_3N_2-C_6-C_4N_3$

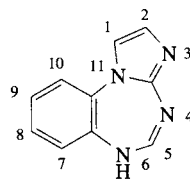
Ring Index (5,6,7)

714

5,6,7

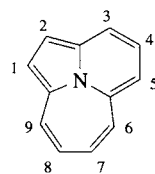
$C_3N_2-C_6-C_4N_3$

6*H*-Imidazo[1,2-*a*][1,3,5]benzotriazepine
9, 357



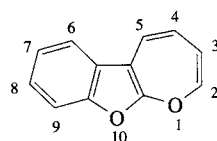
$C_4N-C_5N-C_6N$

[2.3.4]Cyclazine
8, 241



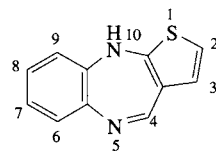
$C_4O-C_6-C_6O$

Oxepino[2,3-*b*]benzofuran
9, 49



$C_4S-C_6-C_5N_2$

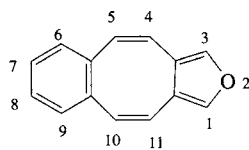
10*H*-Thieno[2,3-*b*][1,5]benzodiazepine
2, 683



5,6,8

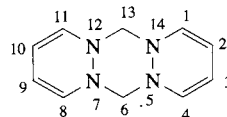
$C_4O-C_6-C_8$

Benzo[5,6]cycloocta[1,2-*c*]furan
1, 400

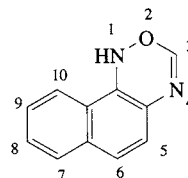


6,6,6-6,6,10

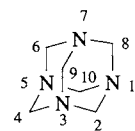
$C_2N_4-C_4N_2-C_4N_2$
6*H*,13*H*-Dipyridazino[1,2-*a*:2,2-*d'*][1,2,4,5]tetrazine
8, 1091-1108



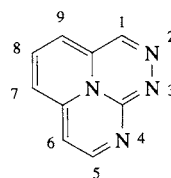
$C_3N_2O-C_6-C_6$
1*H*-Naph[1,2-*c*][1,2,5]oxadiazine
6, 690



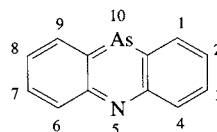
$C_3N_3-C_3N_3-C_3N_3$
1,3,5,7-Tetraazatricyclo[3.3.1.1^{3,7}]decane
6, 337



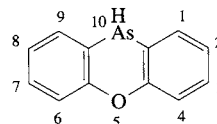
$C_3N_3-C_4N_2-C_5N$
1,3,4-Triaza[3.3.3]cyclazine
9, 358



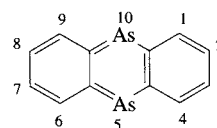
$C_4AsN-C_6-C_6$
Phenarsine
6, 1076, 1088



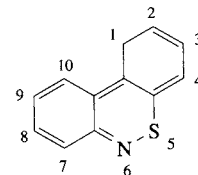
$C_4AsO-C_6-C_6$
10*H*-Phenoxarsine
6, 1076, 1080, 1081; **9**, 974



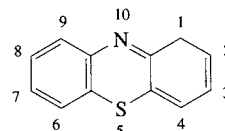
$C_4As_2-C_6-C_6$
Arsanthrene
6, 1076, 1093; **9**, 977



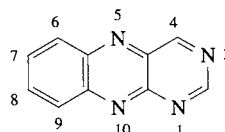
$C_4NS-C_6-C_6$
1*H*-Dibenzo[*c,e*][1,2]thiazine
9, 214, 565, 566, 786



1*H*-Phenothiazine
5, 271; **6**, 1012

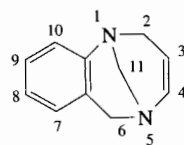


$C_4N_2-C_4N_2-C_6$
Benzo[*g*]pteridine
8, 433

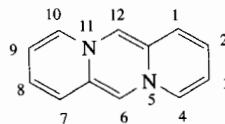


$C_4N_2-C_5N-C_5N$

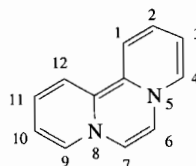
Pyridazino[1,2-*b*]phthalazine
8, 1091–1108

 $C_4N_2-C_5N-C_5N$

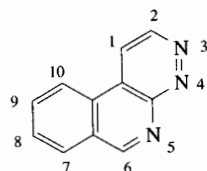
Dipyrido[1,2-*a*:1',2'-*d*]pyrazine
8, 1091–1108



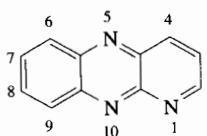
Dipyrido[1,2-*a*:2',1'-*c*]pyrazine
5, 294

 $C_4N_2-C_5N-C_6$

Pyridazino[4,5-*b*]quinoline
6, 16

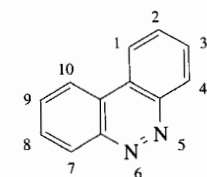


Pyrido[2,3-*b*]quinoxaline
5, 78

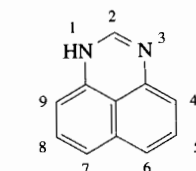
 $C_4N_2-C_6-C_6$

Benzo[*c*]cinnoline

6, 1–91; 8, 776, 814, 815, 824, 828; 9, 300

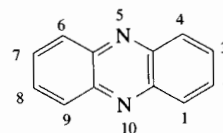


1*H*-Perimidine
6, 93–231



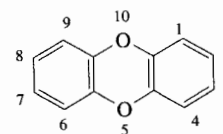
Phenazine

6, 233–278; 9, 343

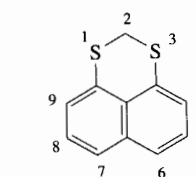
 $C_4O_2-C_6-C_6$

Dibenzo[*b,e*][1,4]dioxin

6, 999, 1001

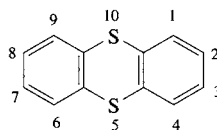
 $C_4S_2-C_6-C_6$

Naphtho[1,8-*de*]-1,3-dithiin
4, 297; 6, 442



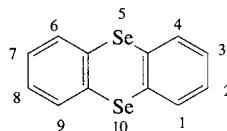
Thianthrene

1, 71; 2, 651, 665; 4, 297; 6, 1001; 9, 382

C₄Se₂-C₆-C₆

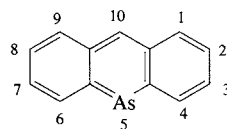
Selenanthrene

2, 746; 6, 999, 1001, 1005

C₅As-C₆-C₆

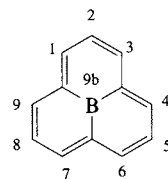
Acridarsine

5, 671, 674, 675

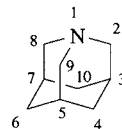
C₅B-C₅B-C₅B

9b-Boraphenylene

8, 889-931

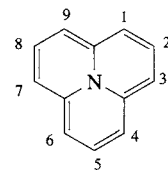
C₅N-C₅N-C₅N1-Azatricyclo[3.3.1.1^{3,7}]decane

8, 922, 923



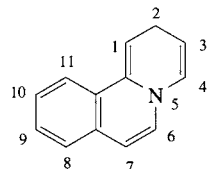
[3.3.3]Cyclazine

2, 256; 5, 164; 8, 898, 899

C₅N-C₅N-C₆

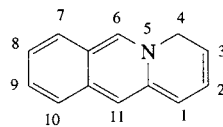
2H-Benzo[a]quinolizine

5, 24; 8, 507-562, 1091-1108



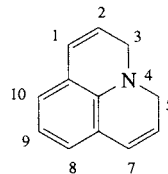
4H-Benzo[b]quinolizine

8, 507-562, 1091-1108



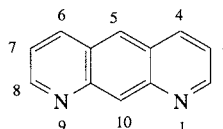
3H,5H-Benzo[ij]quinolizine

5, 490; 8, 556, 1091-1108, 1124



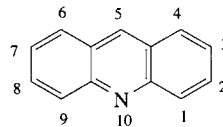
Pyrido[3,2-g]quinoline

7, 875-919

C₅N-C₆-C₆

Acridine

4, 34, 36, 60; 5, 19, 34, 37-89, 135-165, 167-243, 263, 270, 283, 284, 285, 287; 9, 41, 194

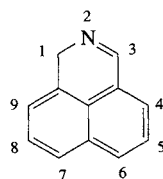


C₅O-C₅O-C₅O

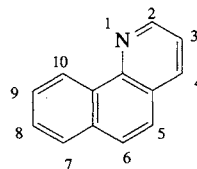
Ring Index (6,6,6)

718

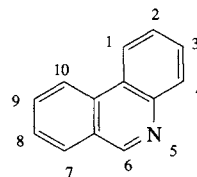
1*H*-Benz[*de*]isoquinoline
5, 180, 195



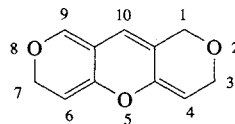
Benzo[*h*]quinoline
5, 94, 100, 207



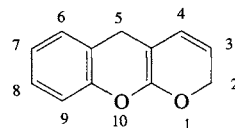
Phenanthridine
5, 94, 193, 199, 270; 8, 410; 9, 537



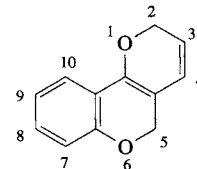
C₅O-C₅O-C₅O
1*H*,3*H*,7*H*-Dipyrano[4,3-*b*:3',4'-*e*]pyran
5, 306



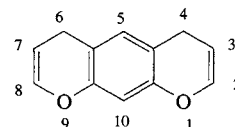
C₅O-C₅O-C₆
2*H*,5*H*-Pyrano[2,3-*b*]chromene
5, 332, 425



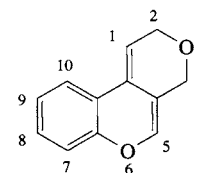
2*H*,5*H*-Pyrano[3,2-*c*]chromene
6, 756



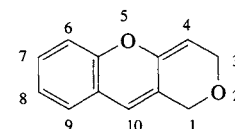
4*H*,6*H*-Pyrano[3,2-*g*]chromene
7, **875-919**



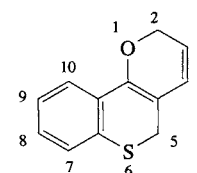
2*H*,4*H*-Pyrano[3,4-*c*]chromene
5, 405

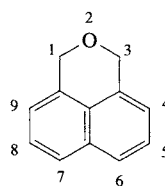
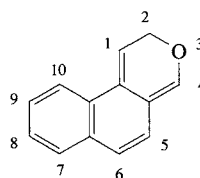
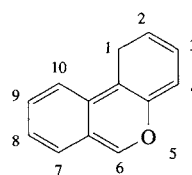
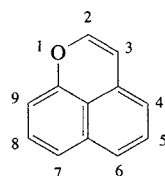
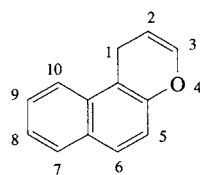
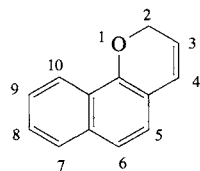
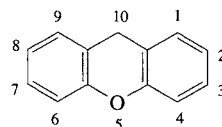
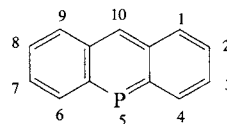
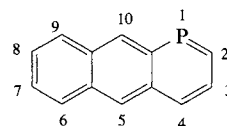
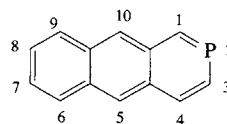


1*H*,3*H*-Pyrano[4,3-*b*]chromene
5, 430



C₅O-C₅S-C₆
2*H*,5*H*-[1]Benzothiino[4,3-*b*]pyran
5, 565



C₅O-C₆-C₆1*H*,3*H*-Benz[*de*]isochromene
2, 54, 231; 4, 613; 5, 3242*H*-Benz[*f*]isochromene
4, 95; 5, 3761*H*-Benzo[*c*]chromene
5, 477; 9, 628Benzo[*de*]chromene
2, 332; 5, 3991*H*-Benzo[*f*]chromene
5, 4772*H*-Benzo[*h*]chromene
5, 301-3509*H*-Xanthene
2, 416; 5, 301-350, 351-468, 494, 495; 6, 452, 461C₅P-C₆-C₆Dibenzo[*b,e*]phosphorin (acridophosphorin)
5, 639-668Naphtho[2,3-*b*]phosphorin (benzo[*g*]phosphinoline)
5, 639-668Naphtho[2,3-*c*]phosphorin
5, 639-668

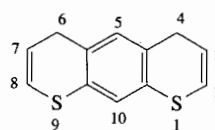
$C_5S-C_5S-C_6$

Ring Index (6,6,7)

720

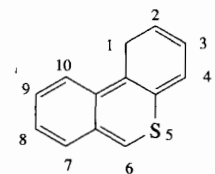
$C_5S-C_5S-C_6$

4*H*,6*H*-Benzo[1,2-*b*:5,4-*b'*]dithiin
7, 875-919

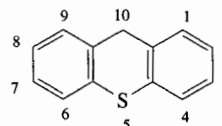


$C_5S-C_6-C_6$

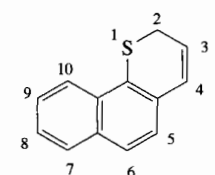
1*H*-Dibenzo[*b*,*d*]thiin
5, 501-617



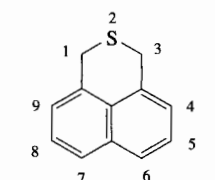
10*H*-Dibenzo[*b*,*e*]thiin (9*H*-thioxanthene)
1, 383; 5, 501-617; 9, 944



2*H*-Naphtho[1,2-*b*]thiin
2, 620; 7, 666

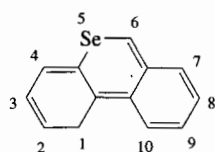


1*H*,3*H*-Naphtho[1,8-*cd*]thiin
1, 451

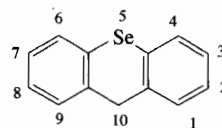


$C_5Se-C_6-C_6$

1*H*-Dibenzo[*b*,*d*]selenin
5, 619-637

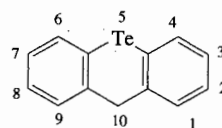


10*H*-Dibenzo[*b*,*e*]selenin (9*H*-selenoxanthene)
5, 619-637



$C_5Te-C_6-C_6$

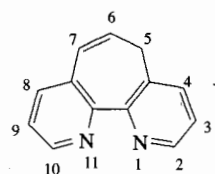
10*H*-Dibenzo[*b*,*e*]tellurin (9*H*-telluroxanthene)
5, 619-637



6,6,7

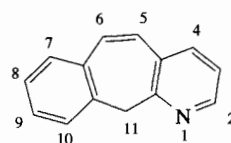
$C_5N-C_5N-C_7$

3*H*-Cyclohepta[1,2-*b*:7,6-*b'*]dipyridine
7, 875-919

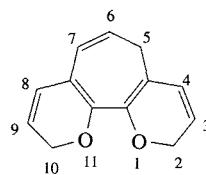


$C_5N-C_6-C_7$

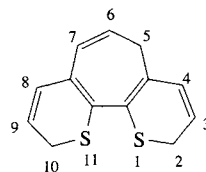
11*H*-Benzo[5,6]cyclohepta[1,2-*b*]pyridine
5, 273



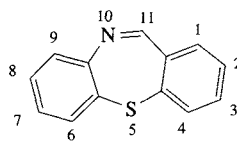
C₅O-C₅O-C₇
 3*H*-Cyclohepta[1,2-*b*:7,6-*b'*]dipyran
7, 875-919



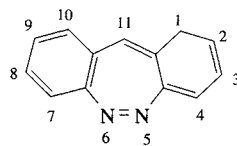
C₅S-C₅S-C₇
 Cyclohepta[1,2-*b*:7,6-*b'*]dithiin
7, 875-919



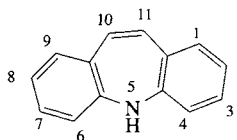
C₆-C₆-C₅NS
 Dibenzo[*b*,*f*][1,4]thiazepine
3, 339, 351, 357



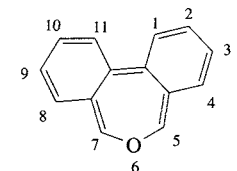
C₆-C₆-C₅N₂
 1*H*-Dibenzo[*c*,*f*][1,2]diazepine
9, 469



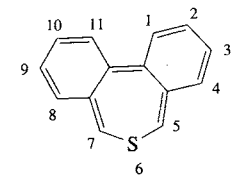
C₆-C₆-C₆N
 5*H*-Dibenz[*b*,*e*]azepine
9, 1-43



C₆-C₆-C₆O
 Dibenz[*c*,*e*]oxepin
9, 481

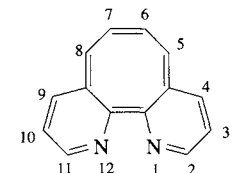


C₆-C₆-C₆S
 Dibenz[*c*,*e*]thiepin
9, 492

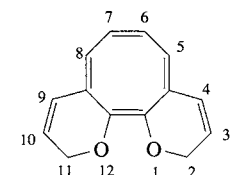


6,6,8

C₅N-C₅N-C₈
 Cycloocta[1,2-*b*:8,7-*b'*]dipyridine
7, 875-919



C₅O-C₅O-C₈
 2*H*-Cycloocta[1,2-*b*:8,7-*b'*]dipyran
7, 875-919



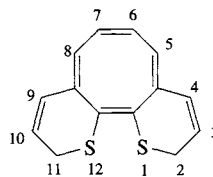
C₅S-C₅S-C₈

Ring Index (6,6,10)

722

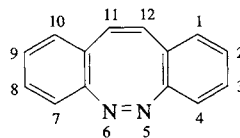
C₅S-C₅S-C₈

2*H*-Cycloocta[1,2-*b*:8,7-*b'*]dithiin
7, 875-919



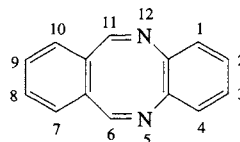
C₆-C₆-C₆N₂

Dibenz[*c,g*][1,2]diazocine
9, 469



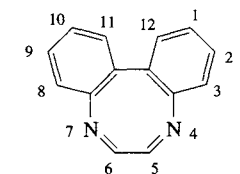
Dibenzo[*b,f*][1,4]diazocine

9, 531, 532, 533, 534, 538



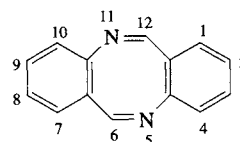
Dibenzo[*e,g*][1,4]diazocine

9, 531, 532, 533, 537, 544



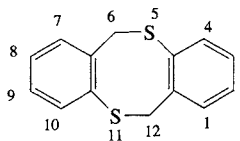
Dibenzo[*b,f*][1,5]diazocine

9, 591-650



C₆-C₆-C₆S₂

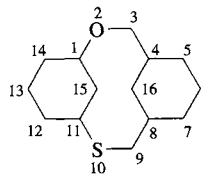
6*H*,12*H*-Dibenzo[*b,f*][1,5]dithiocin
5, 539



6,6,10

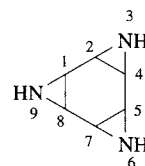
C₆-C₆-C₈OS

2-Oxa-10-thiatricyclo[10.3.1.1^{4,8}]hexadecane
9, 893-923

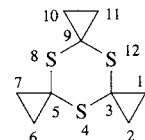


3,3,3,6-6,6,7,7

$C_2N-C_2N-C_2N-C_6$
3,6,9-Triazatetracyclo[6.1.0.0^{2,4}.0^{5,7}]nonane
1, 74

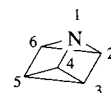


$C_3-C_3-C_3-C_3S_3$
4,8,12-Trithiatrispiro[2.1.2.1.2.1]dodecane
1, 237



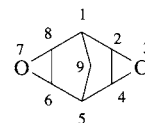
3,3,4,4

$C_2N-C_3-C_3N-C_3N$
1-Azatetracyclo[2.2.0.0^{2,6}.0^{3,5}]hexane
1, 587, 669



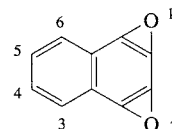
3,3,5,5

$C_2O-C_2O-C_5-C_5$
3,7-Dioxatetracyclo[3.3.1.0^{2,4}.0^{6,8}]nonane
1, 162



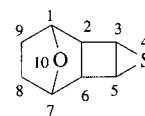
3,3,6,6

$C_2O-C_2O-C_6-C_6$
Naphtho[1,2-*b*:3,4-*b'*]bisoxirene
1, 158

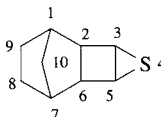


3,4,5,5

$C_2S-C_4-C_4O-C_4O$
10-Oxa-4-thiatetracyclo[5.2.1.0^{2,6}.0^{3,5}]decane
1, 254, 2, 493

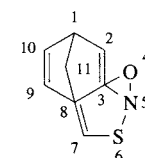


$C_2S-C_4-C_5-C_5$
4-Thiatetracyclo[5.2.1.0^{2,6}.0^{3,5}]decane
1, 254



3,5,5,5

$CNO-C_3NS-C_5-C_5$
4-Oxa-6-thia-5-azatetracyclo[6.2.1.0^{3,5}.0^{3,8}]undecane
1, 385, 393, 394, 399, 400, 401, 407, 408, 409, 413



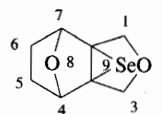
C₂Se-C₄O-C₄O-C₄O

Ring Index (3,5,5,6)

724

C₂Se-C₄O-C₄O-C₄O

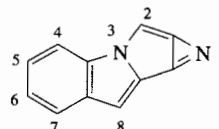
3a,7a-Episeleno-4,7-epoxyisobenzofuran
1, 260, 263, 268, 270



3,5,5,6

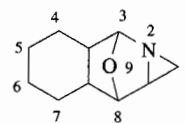
C₂N-C₄N-C₄N-C₆

Azirino[2',3':3,4]pyrrolo[1,2-*a*]indole
8, 22, 996; 9, 428



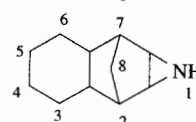
C₂N-C₄O-C₄O-C₆

3,8-Epoxyazirino[1,2-*b*]isoquinoline
1, 81

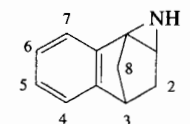


C₂N-C₅-C₅-C₆

2,7-Methanonaphth[2,3-*b*]azirine
1, 90

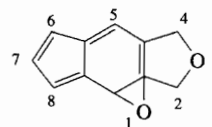


3,7b-Methanonaphth[1,2-*b*]azirine
1, 52



C₂O-C₄O-C₅-C₆

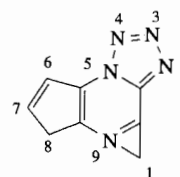
Cyclopenten[*e*]oxireno[2,3-*d*]isobenzofuran
1, 440



3,5,6,6

C₂N-CN₄-C₄N₂-C₆

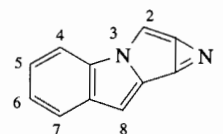
Azirino[1,2-*c*]tetrazolo[1,5-*a*]quinoxaline
1, 72



3,6,6,6

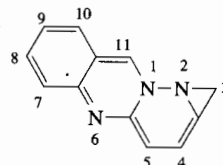
C₂N-C₄NO-C₄NO-C₆

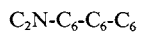
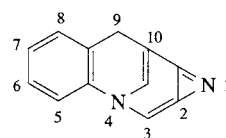
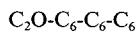
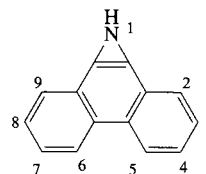
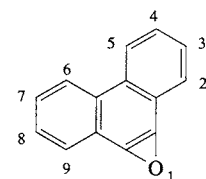
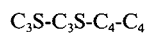
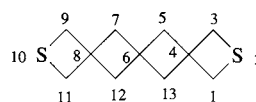
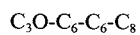
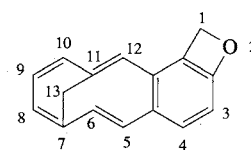
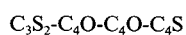
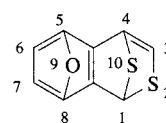
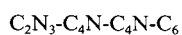
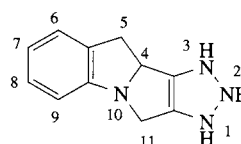
Azirino[2,3-*c*]-1,5-epoxy-1-benzazocine
1, 95



C₂N-C₄N₂-C₄N₂-C₆

Azirino[1',2':1,6]pyridazino[2,3-*b*]quinazoline
1, 67



Azirino[2,3-*c*]-1,5-methano-1-benzazocine
1, 591*H*-Phenanthro[9,10-*b*]azirine
1, 69, 73, 80Phenanthro[9,10-*b*]oxirene
1, 158**4,4,4,4**2,10-Dithiatrispiro[3.1.1.3.1.1]tridecane
1, **803–821****4,6,6,8**7,11-Methano-1*H*-cyclodeca[3,4]benz[1,2-*b*]oxete
1, 400**5,5,5,5**1,4-Epithio-5,8-epoxy-1*H*-2-benzothiain
3, 623**5,5,5,6**1,2,3-Triazolo[4',5':4,3]pyrrolo[1,2-*a*]indole
1, 56, 69

$C_2N_3-C_2N_3-C_6-C_6$

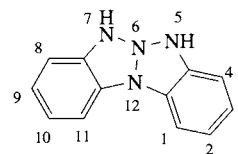
Ring Index (5,5,6,6)

726

5,5,6,6

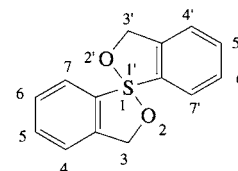
$C_2N_3-C_2N_3-C_6-C_6$

5*H*,7*H*-Benzotriazolo[1,2-*a*]benzotriazole
7, 372



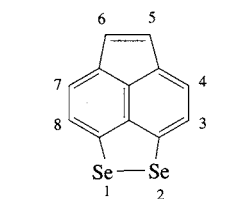
$C_3OS-C_3OS-C_6-C_6$

1,1'-Spiro[3*H*-2,1-benzoxathiazole]
3, 515



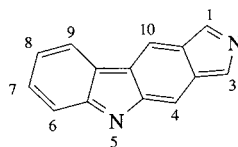
$C_3Se_2-C_5-C_6-C_6$

Acenaphtho[5,6-*cd*]-1,2-diselenole
3, 674



$C_4N-C_4N-C_6-C_6$

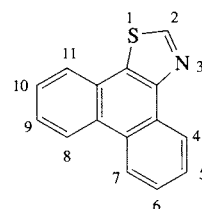
Pyrrolo[3,4-*b*]carbazole
2, 84, 90, 93, 94



5,6,6,6

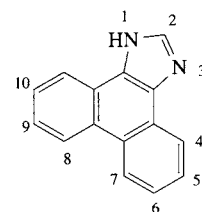
$C_3NS-C_6-C_6-C_6$

Phenanthro[9,10-*d*]thiazole
1, 80



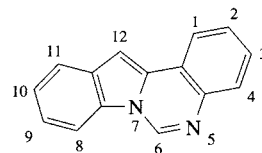
$C_3N_2-C_6-C_6-C_6$

Phenanthro[9,10-*d*]imidazole
6, 686, 690



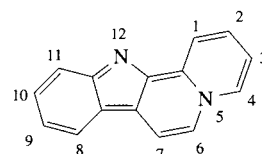
$C_4N-C_4N_2-C_6-C_6$

Indolo[1,2-*c*]quinazoline
2, 41

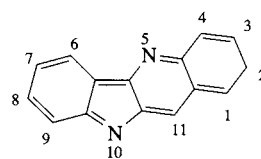


$C_4N-C_5N-C_5N-C_6$

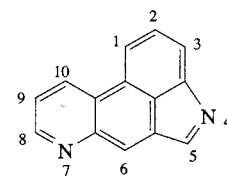
Indolo[2,3-*a*]quinolizine
5, 24; 9, 777



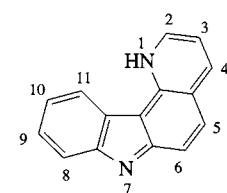
C₄N-C₅N-C₆-C₆
 2*H*-Indolo[3,2-*b*]quinoline
 8, 1038



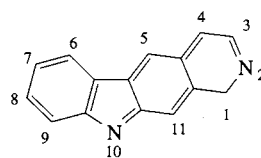
Indolo[4,3-*fg*]quinoline
 2, 212, 216, 220



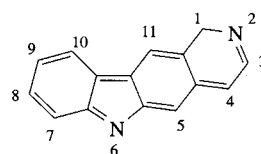
1*H*-Pyrido[3,2-*c*]carbazole
 2, 91



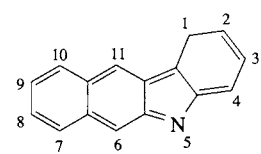
1*H*-Pyrido[3,4-*b*]carbazole
 7, 19



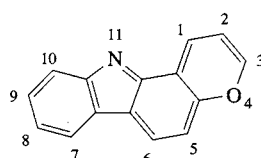
1*H*-Pyrido[4,3-*b*]carbazole
 2, 202; 5, 291



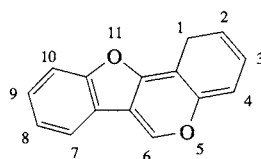
C₄N-C₆-C₆-C₆
 1*H*-Benzo[*b*]carbazole
 8, 998



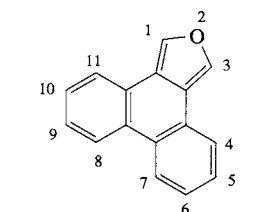
C₄N-C₅O-C₆-C₆
 Pyrano[3,2-*a*]carbazole
 2, 136, 255



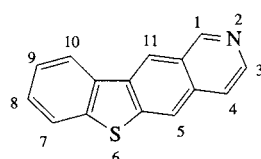
C₄O-C₅O-C₆-C₆
 1*H*-Benzofuro[3,2-*c*]chromene
 2, 392



C₄O-C₆-C₆-C₆
 Phenanthro[9,10-*c*]furan
 1, 932



C₄S-C₅N-C₆-C₆
 [1]Benzo[*thio*]thieno[2,3-*g*]isoquinoline
 2, 697

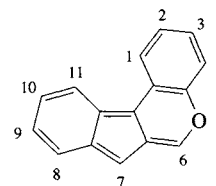


C₅-C₅O-C₆-C₆

Ring Index (5,6,6,7)

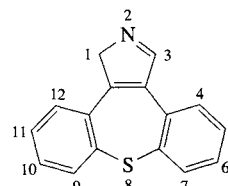
728

C₅-C₅O-C₆-C₆
Indeno[2,1-*c*]chromene
1, 407



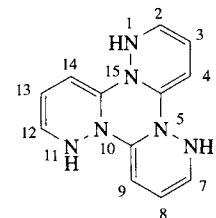
5,6,6,7

C₄N-C₆-C₆-C₆S
1*H*-Dibenzo[2,3:6,7]thiepine[4,5-*c*]pyrrole
9, 110

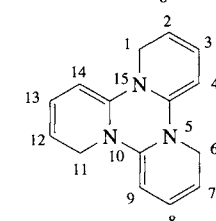


6,6,6,6

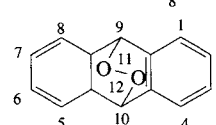
C₃N₃-C₄N₂-C₄N₂-C₄N₂
1*H*,6*H*,11*H*-Tripyridazino[1,6-*a*:1',6'-*c*1''a2,6''a2-*e*][1,3,5]triazine
1, 932



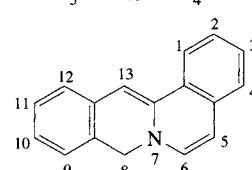
C₃N₃-C₅N-C₅N-C₅N
1*H*,6*H*,11*H*-Tripyrido[1,2-*a*:1',2'-*c*:1'',2''a2,2''a2-*e*][1,3,5]triazine
5, 146; 8, 283



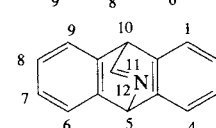
C₄O₂-C₄O₂-C₆-C₆
2, 386



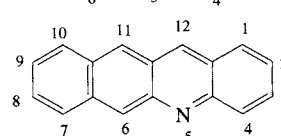
C₅N-C₅N-C₆-C₆
8*H*-Dibenzo[*a,g*]quinolizine
8, 522



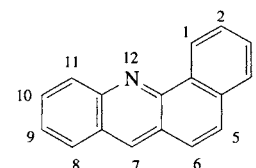
9,10-Iminomethananthracene
1, 94



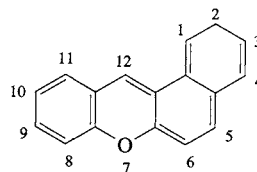
C₅N-C₆-C₆-C₆
Benz[*b*]acridine
5, 192



Benz[*c*]acridine
5, 192



$C_5O-C_5O-C_6O-C_6O$
 2*H*-Benzo[*a*]xanthene
 5, 474



6,6,7,7

$C_5O-C_5O-C_6O-C_6O$
 Pyrano[2',3':5,6]pyrano[2,3-*b*]oxepino[2,3-*f*]oxepin
 1, 141

