

**HetCat**

**Heterocycles & Catalysts**

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Technologiezentrum Witterswil

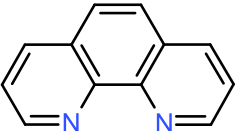
TZW

Benkenstrasse 254C

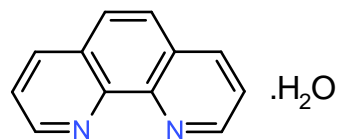
CH- 4108 Witterswil

Switzerland

## Phenanthroline Compounds HetCat-Catalog

Chemical name	Chemical Structure	CAS CAT	MF MW
1,10-Phenanthroline		66-71-7 PNHH01	C12H8N2 180.21

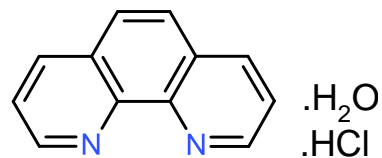
1,10-Phenanthroline monohydrate



5144-89-8  
PNHH02

$C_{12}H_8N_2 \cdot H_2O$   
198.22

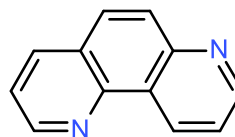
1,10-Phenanthroline monohydrochloride  
monohydrate



3829-86-5  
PNHH03

$C_{12}H_8N_2 \cdot HCl \cdot H_2O$   
234.68

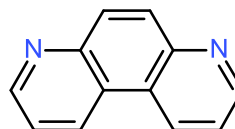
1,7-Phenanthroline



230-46-6  
PNHH11

$C_{12}H_8N_2$   
180.21

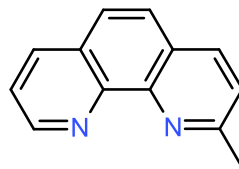
4,7-Phenanthroline



230-07-9  
PNHH21

$C_{12}H_8N_2$   
180.21

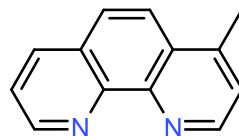
2-Methyl-1,10-phenanthroline



3002-77-5  
PNME01

C13H10N2  
194.23

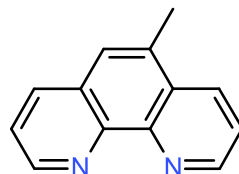
4-Methyl-1,10-phenanthroline



31301-28-  
7  
PNME02

C13H10N2  
194.23

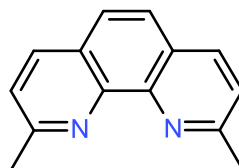
5-Methyl-1,10-phenanthroline



3002-78-6  
PNME13

C13H10N2  
194.23

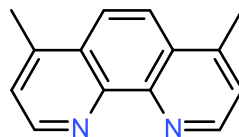
2,9-Dimethyl-1,10-phenanthroline



484-11-7  
PNME21

C14H12N2  
208.26

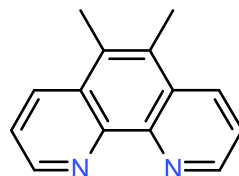
4,7-Dimethyl-1,10-phenanthroline



3245-05-3  
PNME22

C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>  
208.26

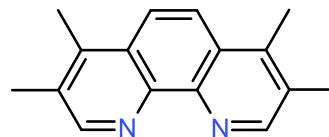
5,6-Dimethyl-1,10-phenanthroline



3002-81-1  
PNME23

C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>  
208.26

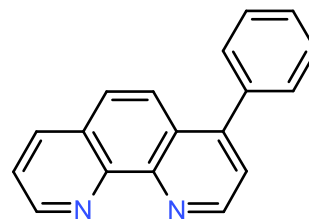
3,4,7,8-Tetramethyl-1,10-phenanthroline



1660-93-1  
PNME31

C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>  
236.32

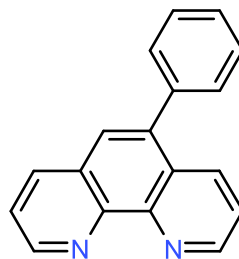
4-Phenyl-1,10-Phenanthroline



62366-01-  
2  
PNPH01

C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>  
256.30

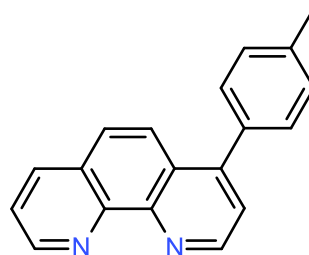
5-Phenyl-1,10-phenanthroline



6153-89-5  
PNPH02

C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>  
256.30

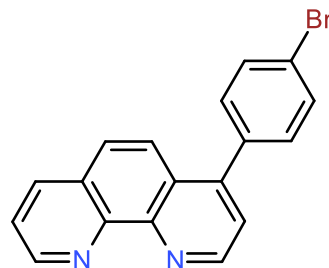
4-(4-Methylphenyl)-1,10-phenanthroline



94211-97-  
9  
PNPH11

C<sub>19</sub>H<sub>14</sub>N<sub>2</sub>  
270.34

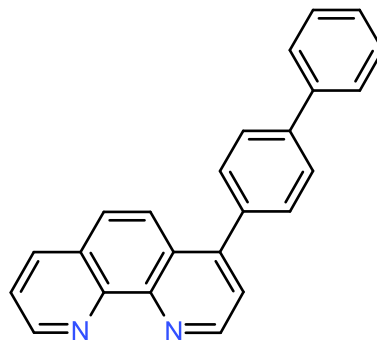
4-(4-Bromophenyl)-1,10-phenanthroline



97802-07-  
8  
PNPH12

C<sub>18</sub>H<sub>11</sub>BrN<sub>2</sub>  
335.19

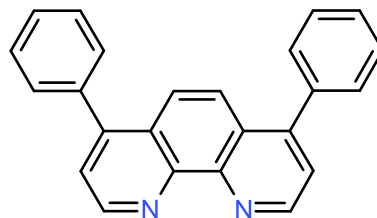
4-(4-Biphenyl)-1,10-phenanthroline



95942-94-  
2  
PNPH21

C<sub>24</sub>H<sub>16</sub>N<sub>2</sub>  
332.40

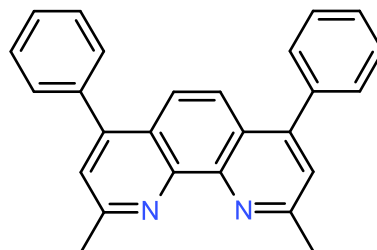
4,7-Diphenyl-1,10-phenanthroline



1662-01-7  
PNPH31

C<sub>24</sub>H<sub>16</sub>N<sub>2</sub>  
332.41

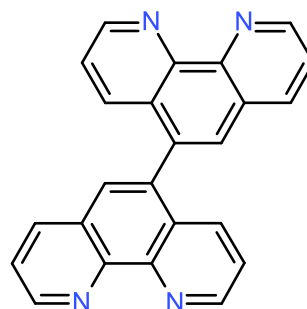
2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline



4733-39-5  
PNPH32

C<sub>26</sub>H<sub>20</sub>N<sub>2</sub>  
360.45

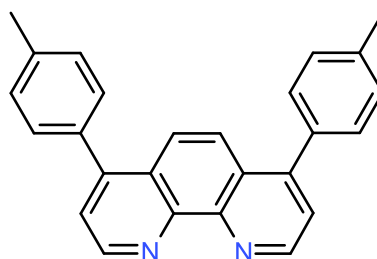
5,5'-Bis-1,10-phenanthroline



96761-79-4  
PNPN01

C<sub>24</sub>H<sub>14</sub>N<sub>4</sub>  
358.39

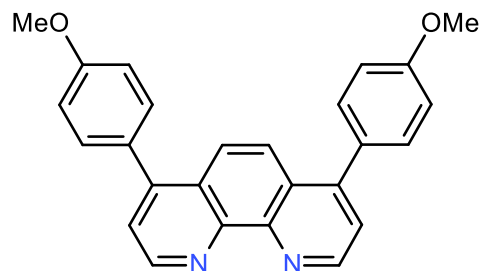
4,7-Bis(4-methylphenyl)-1,10-phenanthroline



95950-12-2  
PNPH41

C<sub>26</sub>H<sub>20</sub>N<sub>2</sub>  
360.16

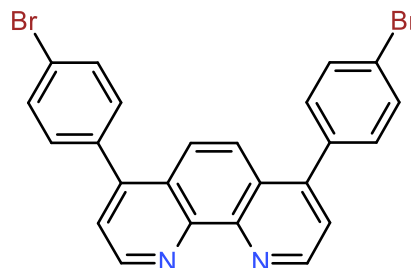
4,7-Bis(4-methoxyphenyl)-1,10-phenanthroline



95950-20-  
2  
PNPH42

C<sub>26</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>  
392.45

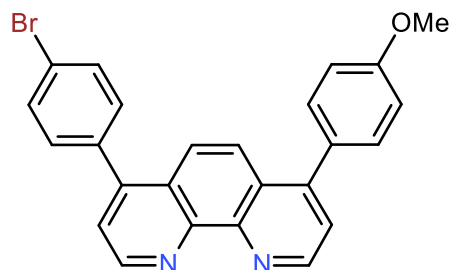
4,7-Bis(4-bromophenyl)-1,10-phenanthroline



97802-08-  
9  
PNPH43

C<sub>24</sub>H<sub>14</sub>Br<sub>2</sub>N<sub>2</sub>  
490.19

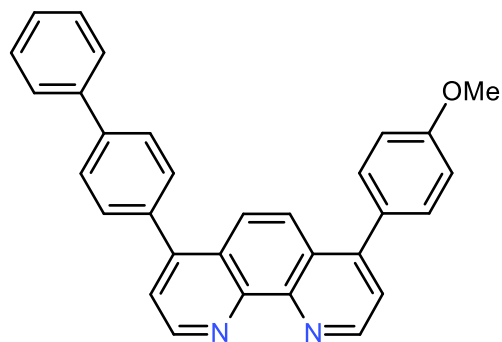
4-(4-Bromophenyl)-7-(4-methoxyphenyl)-  
1,10-phenanthroline



97802-15-  
8  
PNPH44

C<sub>25</sub>H<sub>17</sub>BrN<sub>2</sub>O  
441.33

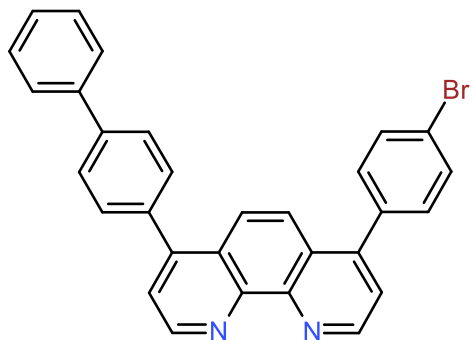
4-(1,1'-Biphenyl)-4-yl-7-(4-methoxyphenyl)-  
1,10-phenanthroline



97802-14-  
7  
PNPH51

C<sub>31</sub>H<sub>22</sub>N<sub>2</sub>O  
438.51

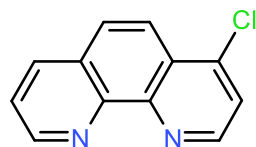
4-(1,1'-Biphenyl)-4-yl-7-(4-bromophenyl)-  
1,10-phenanthroline



97802-13-  
6  
PNPH52

C<sub>12</sub>H<sub>7</sub>ClN<sub>2</sub>  
214.85

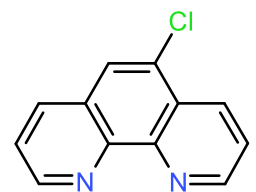
4-Chloro-1,10-phenanthroline



1891-14-1  
PNCL01

C<sub>12</sub>H<sub>7</sub>ClN<sub>2</sub>  
214.85

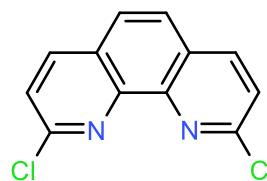
5-Chloro-1,10-phenanthroline



4199-89-7  
PNCL02

C<sub>12</sub>H<sub>7</sub>ClN<sub>2</sub>  
214.85

2,9-Dichloro-1,10-phenanthroline

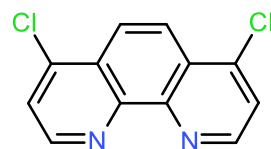


29176-55-  
4  
PNCL11

C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>2</sub>  
249.09



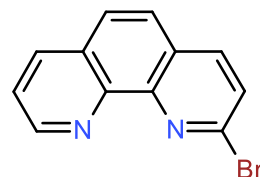
4,7-Dichloro-1,10-phenanthroline



5394-23-0  
PNCL12

C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>2</sub>  
249.09

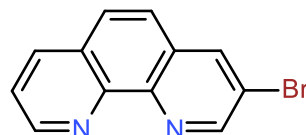
2-Bromo-1,10-phenanthroline



22426-14-  
8  
PNBR01

C<sub>12</sub>H<sub>7</sub>BrN<sub>2</sub>  
259.11

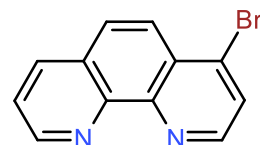
3-Bromo-1,10-phenanthroline



66127-01-  
3  
PNBR02

C<sub>12</sub>H<sub>7</sub>BrN<sub>2</sub>  
259.11

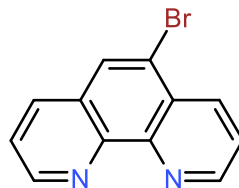
4-Bromo-1,10-phenanthroline



7089-67-0  
PNBR03

C<sub>12</sub>H<sub>7</sub>BrN<sub>2</sub>  
259.11

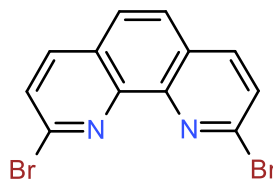
5-Bromo-1,10-Phenanthroline



40000-20-  
2  
PNBR04

C<sub>12</sub>H<sub>7</sub>BrN<sub>2</sub>  
259.11

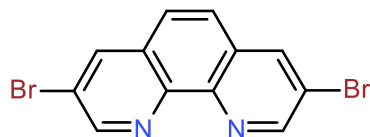
2,9-Dibromo-1,10-phenanthroline



39069-02-  
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PNBR11

C<sub>12</sub>H<sub>6</sub>Br<sub>2</sub>N<sub>2</sub>  
338.00

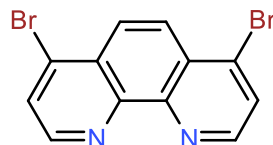
3,8-Dibromo-1,10-phenanthroline



100125-  
12-0  
PNBR12

C<sub>12</sub>H<sub>6</sub>Br<sub>2</sub>N<sub>2</sub>  
338.00

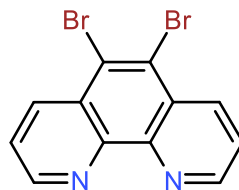
4,7-Dibromo-1,10-phenanthroline



156492-  
30-7  
PNBR13

C<sub>12</sub>H<sub>6</sub>Br<sub>2</sub>N<sub>2</sub>  
338.00

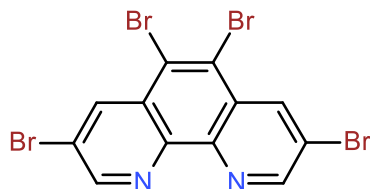
5,6-Dibromo-1,10-Phenanthroline



56290-06-  
3  
PNBR14

C<sub>12</sub>H<sub>6</sub>Br<sub>2</sub>N<sub>2</sub>  
338.00

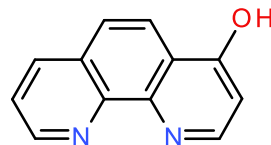
3,5,6,8-Tetrabromo-1,10-phenanthroline



66127-00-  
2  
PNBR21

C<sub>12</sub>H<sub>4</sub>Br<sub>4</sub>N<sub>2</sub>  
495.79

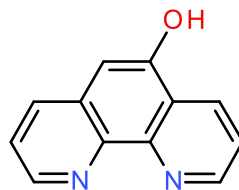
4-Hydroxy-1,10-phenanthroline



23443-31-  
4  
PNOH01

C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>O  
196.20

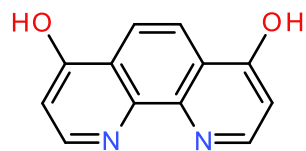
5-Hydroxy-1,10-phenanthroline



92695-51-  
7  
PNOH02

C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>O  
196.20

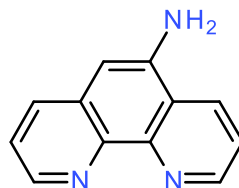
4,7-Dihydroxy-1,10-phenanthroline



3922-40-5  
PNOH11

C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>  
212.21

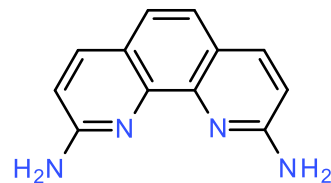
5-Amino-1,10-phenanthroline



54258-41-  
2  
PNHN01

C<sub>12</sub>H<sub>9</sub>N<sub>3</sub>  
195.22

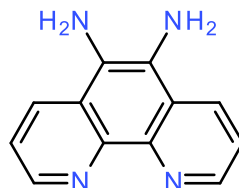
2,9-Diamino-1,10-phenanthroline



38182-65-  
9  
PNHN11

C<sub>12</sub>H<sub>10</sub>N<sub>4</sub>  
210.09

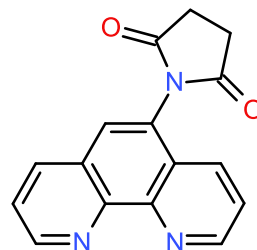
5,6-Diamine-1,10-phenanthroline



168646-  
54-6  
PNHN12

C<sub>12</sub>H<sub>10</sub>N<sub>4</sub>  
210.09

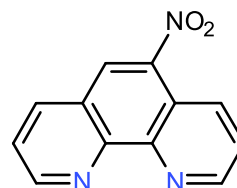
1,10-Phenanthroline maleimide



351870-  
31-0  
PNML01

C16H9N3O2  
275.26

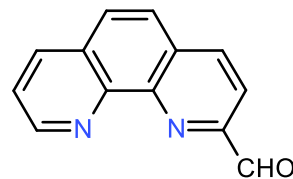
5-Nitro-1,10-phenanthroline



4199-88-6  
PNNO01

C12H7N3O2  
225.21

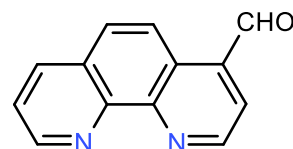
1,10-Phenanthroline-2-carboxaldehyde



33795-37-  
8  
PNAL01

C13H8N2O  
208.22

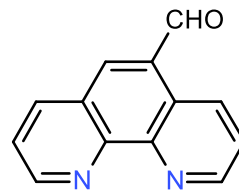
1,10-Phenanthroline-4-carboxaldehyde



31301-30-  
1  
PNAL02

C13H8N2O  
208.22

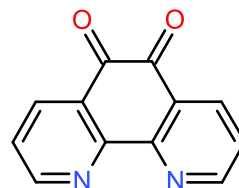
1,10-Phenanthroline-5-carboxaldehyde



91804-75-  
0  
PNAL03

C<sub>13</sub>H<sub>8</sub>N<sub>2</sub>O  
208.22

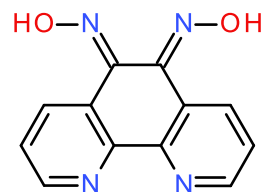
1,10-Phenanthroline-5,6-dione



27318-90-  
7  
PNOX01

C<sub>12</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>  
210.19

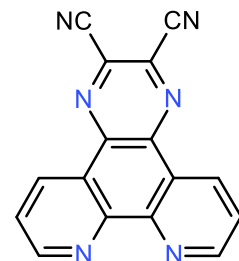
1,10-Phenanthroline-5,6-dioxime



199581-  
67-4  
PHOX32

C<sub>12</sub>H<sub>8</sub>N<sub>4</sub>O<sub>2</sub>  
240.22

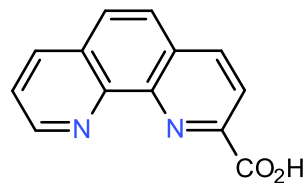
Pyrazino[2,3-f][1,10]phenanthroline-2,3-dicarbonitrile



215611-  
93-1  
PNCN01

C<sub>16</sub>H<sub>6</sub>N<sub>6</sub>  
282.26

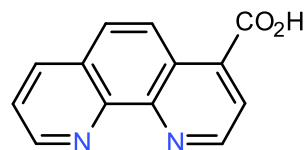
1,10-Phenanthroline-2-carboxylic acid



1891-17-4  
PNCA01

C<sub>13</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>  
224.22

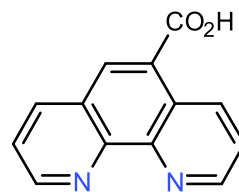
1,10-Phenanthroline-4-carboxylic acid



31301-28-  
7  
PNCA02

C<sub>13</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>  
224.22

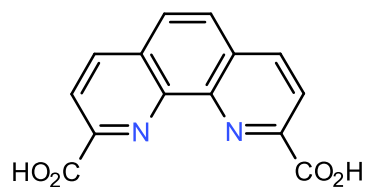
1,10-phenanthroline-5-carboxylic acid



630067-  
06-0  
PNCA03

C<sub>13</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>  
224.22

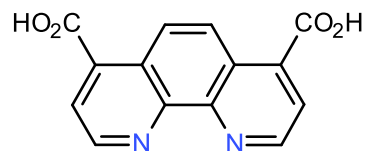
1,10-Phenanthroline-2,9-dicarboxylic acid



57709-61-  
2  
PNCA11

C<sub>14</sub>H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>  
268.23

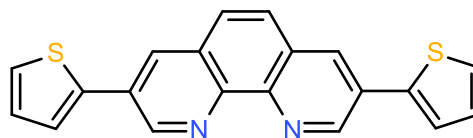
1,10-Phenanthroline-4,7-dicarboxylic acid



31301-31-  
2  
PNCA12

C<sub>14</sub>H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>  
268.23

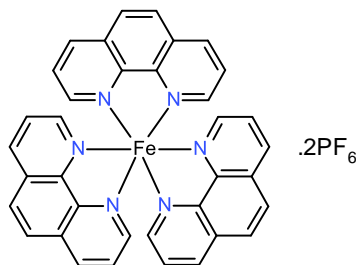
3,8-(Dithiophen-2-yl)-1,10-phenanthroline



753491-  
32-6  
PNTH01

C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>  
344.45

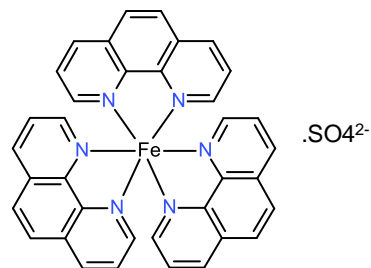
Tris(1,10-phenanthroline)iron(II)  
bis(hexafluorophosphate)



17112-07-  
1  
PNFE01

C<sub>36</sub>H<sub>24</sub>F<sub>12</sub>FeN<sub>6</sub>P<sub>2</sub>  
886.39

1,10-Phenanthroline iron(II) sulfate

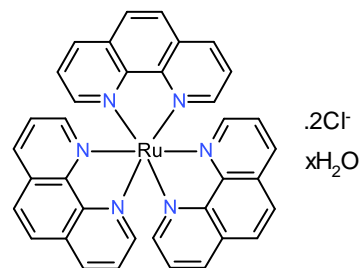


14634-91-  
4  
PNFE02

C<sub>36</sub>H<sub>24</sub>FeN<sub>6</sub>O<sub>4</sub>S  
692.52



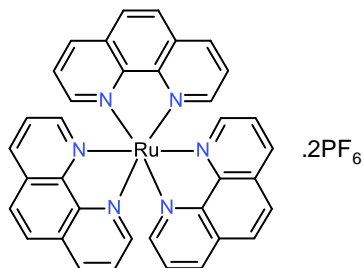
Dichlorotrīs(1,10-phenanthroline)ruthenium(II) hydrate



207802-45-7  
PNRU01

C<sub>36</sub>H<sub>24</sub>Cl<sub>2</sub>N<sub>6</sub>Ru.xH<sub>2</sub>O  
712.59

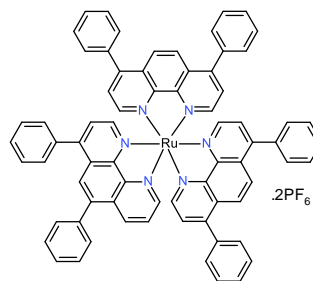
Trīs(1,10-phenanthroline)ruthenium(II) bis(hexafluorophosphate)



60804-75-3  
PNRU02

C<sub>36</sub>H<sub>24</sub>F<sub>12</sub>N<sub>6</sub>RuP<sub>2</sub>  
931.61

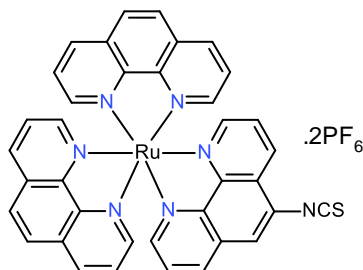
Trīs(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) bis(hexafluorophosphate)



123148-15-2  
PNRU03

C<sub>72</sub>H<sub>48</sub>F<sub>12</sub>N<sub>6</sub>P<sub>2</sub>Ru  
1388.19

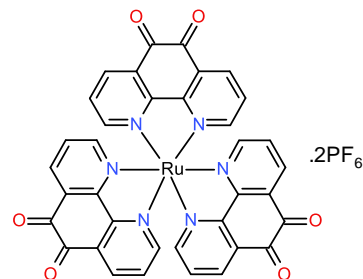
Bis(2,2'-bipyridine)-(5-isothiocyanato-phenanthroline)ruthenium bis(hexafluorophosphate)



288399-07-5  
PNRU04

C<sub>33</sub>H<sub>23</sub>F<sub>12</sub>N<sub>7</sub>P<sub>2</sub>RuS  
940.55

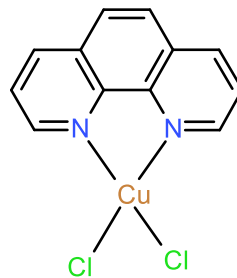
Tris(1,10-phenanthroline-5,6-dione)ruthenium(II) bis(hexafluorophosphate)



184023-77-6  
PNRU05

C<sub>36</sub>H<sub>18</sub>F<sub>12</sub>N<sub>6</sub>O<sub>6</sub>P<sub>2</sub>Ru  
1021.56

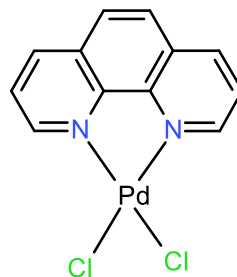
Dichloro(1,10-phenanthroline)copper(II)



14783-09-6  
PNCU01

C<sub>12</sub>H<sub>8</sub>Cl<sub>2</sub>CuN<sub>2</sub>  
314.66

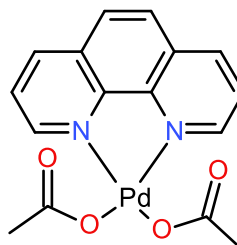
Dichloro(1,10-phenanthroline)palladium(II)



14783-10-9  
PNPD01

C<sub>12</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>Pd  
357.53

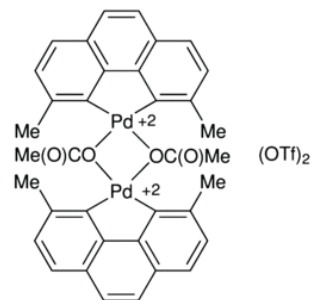
Diacetato(1,10-phenanthroline)palladium(II)



35679-81-3  
PNPD02

C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>Pd  
404.71

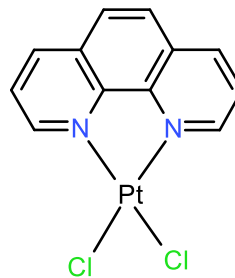
Acetato(2,9-dimethyl-1,10-phenanthroline)palladium(II) dimer bis(trifluoromethanesulfonate)



959698-  
19-2  
PNPD03

C<sub>34</sub>H<sub>30</sub>F<sub>6</sub>N<sub>4</sub>O<sub>10</sub>Pd<sub>2</sub>S<sub>2</sub>  
1045.59

Dichloro(1,10-phenanthroline)platinum(II)



18432-95-  
6  
PNPT01

C<sub>12</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>Pt  
446.19