>>**Entry Name: Tetrakis(cyano-*C*)cadmate(2–)**
Synonym(s): Tetracyanocadmate(2–)

CAS Registry Number: 16041-14-8
Related CAS Registry Numbers(s): 37286-73-0
$[Cd(CN)_4]^{2(-)}$

Molecular Formula: $C_4CdN_4^{2(-)}$
Molecular Weight: 216.482
Accurate Mass: 217.915653
Percentage Composition: C 22.19%; Cd 51.93%; N 25.88%

>>**Derivative:** Di-K salt

CAS Registry Number: 14402-75-6
Molecular Formula: $C_4CdK_2N_4$
Molecular Weight: 294.678
Accurate Mass: 295.843067
Percentage Composition: C 16.30%; Cd 38.15%; K 26.54%; N 19.01%
Physical Description: Cryst.

>>**Derivative:** Di-Cs salt

CAS Registry Number: 15634-22-7
Molecular Formula: $C_4CdCs_2N_4$
Molecular Weight: 482.293
Accurate Mass: 483.726511
Percentage Composition: C 9.96%; Cd 23.31%; Cs 55.11%; N 11.62%
Physical Description: Cryst.

>>**Derivative:** Bis(1,2-ethanediamine-*N,N*')cadmium(2+) salt

CAS Registry Number: 98255-12-0
Molecular Formula: $C_8H_{16}Cd_2N_8$
Molecular Weight: 449.09
Accurate Mass: 451.956506
Percentage Composition: C 21.40%; H 3.59%; Cd 50.06%; N 24.95%
Other Data: Acts as a chelate host for such guests as C_6H_6

>>**Derivative:** Bis(1,2-ethanediamine-*N,N*')cadmium(2+) salt, bis-C_6H_6 clathrate

CAS Registry Number: 98255-13-1
Molecular Formula: $C_{20}H_{28}Cd_2N_8$
Molecular Weight: 605.317
Accurate Mass: 608.050406
Percentage Composition: C 39.69%; H 4.66%; Cd 37.14%; N 18.51%
Other Data: Clathrate compd., contains bridging ethylenediamine groups

>>**Derivative:** Bis(diphenyliodonium) salt

CAS Registry Number: 73012-27-8
Molecular Formula: $C_{28}H_{20}CdI_2N_4$
Molecular Weight: 778.713
Accurate Mass: 779.881099
Percentage Composition: C 43.19%; H 2.59%; Cd 14.44%; I 32.59%; N 7.19%
Physical Description: Cryst.

References: