Search Overview

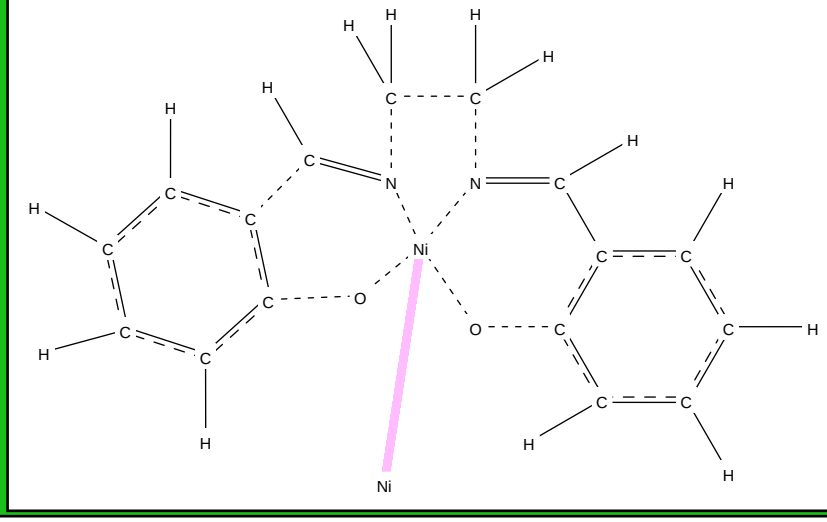
Search:	search7
Date/Time done:	Wed Jan 30 14:32:42 2019
Database(s):	CSD version 5.40 (November 2018)
Restriction Info:	No refcode restrictions applied
Filters:	None
Percentage Completed:	100%
Number of Hits:	28

Single query used. Search found structures that:

match

Query 1

Query 1



Search: search7 (Wed Jan 30 14:32:42 2019): Hits 1-4

BEXKUK

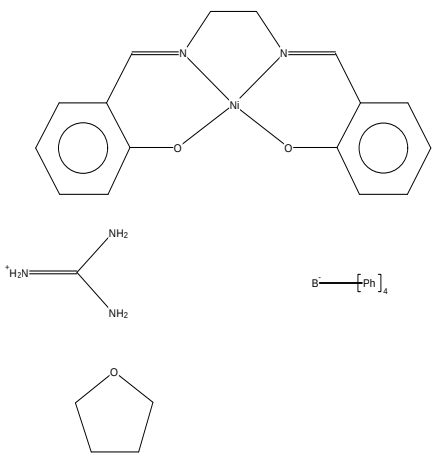
Reference: A.Giacomelli, C.Floriani, G.Perego (1982) *Chem.Commun.* ,650

Formula: $3(C_{16}H_{14}N_2Ni_1O_2),C_1H_6N_3^{1+},C_{24}H_{20}B_1^{1-},2(C_4H_8O_1)$

Compound Name: tris(N,N'-Ethylene-bis(salicylideneaminato)-nickel(ii)) guanidinium tetraphenylborate tetrahydrofuran solvate

Space Group:	P-1	***Cell:***	***a***	16.496(8)	***b***	19.228(8)	***c*** 15.226(4)
Space Group No.:	2	***(Å,°)***	α	94.88(3)	β	102.83(3)	γ 123.81(3)

R-Factor (%):	5.80	***Temperature(K):***	295	***Density(g/cm³):***	1.316



Parameters

Fragment 1

DIST1 (D)	3.338
DIST2 (D)	1.839
DIST3 (D)	1.880
DIST4 (D)	1.835
DIST5 (D)	1.847
ANG1 (A)	3.223

Fragment 2

DIST1 (D)	3.352
DIST2 (D)	1.859
DIST3 (D)	1.853
DIST4 (D)	1.841
DIST5 (D)	1.859
ANG1 (A)	6.236

Fragment 3

DIST1 (D)	3.884
DIST2 (D)	1.861
DIST3 (D)	1.845
DIST4 (D)	1.855
DIST5 (D)	1.857
ANG1 (A)	15.173

COXNIN

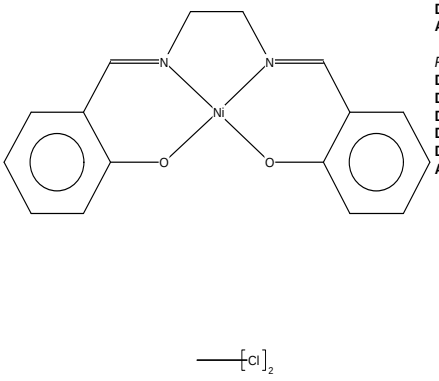
Reference: M.A.Siegler, M.Lutz (2009) *Cryst.Growth Des.* ,**9,**1194

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_1H_2Cl_2$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii) dichloromethane solvate

Space Group:	P21/n	***Cell:***	***a***	13.155(0)	***b***	6.802(0)	***c*** 19.185(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	91.00(0)	γ 90.00

R-Factor (%):	3.97	***Temperature(K):***	150	***Density(g/cm³):***	1.586



Parameters

Fragment 1

DIST1 (D)	3.279
DIST2 (D)	1.844
DIST3 (D)	1.837
DIST4 (D)	1.837
DIST5 (D)	1.843
ANG1 (A)	8.508

Fragment 2

DIST1 (D)	3.662
DIST2 (D)	1.844
DIST3 (D)	1.837
DIST4 (D)	1.837
DIST5 (D)	1.843
ANG1 (A)	8.508

COXNOT

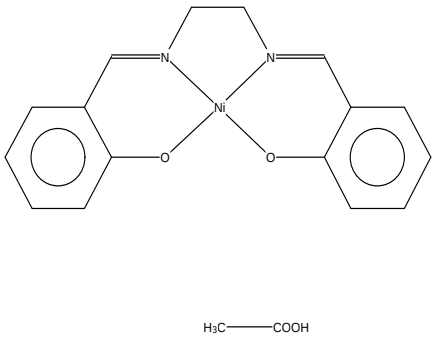
Reference: M.A.Siegler, M.Lutz (2009) *Cryst.Growth Des.* ,**9,**1194

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_2H_4O_2$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii) acetic acid solvate

Space Group:	P-1	***Cell:***	***a***	11.494(0)	***b***	7.362(0)	***c*** 10.015(0)
Space Group No.:	2	***(Å,°)***	α	93.81(0)	β	102.23(0)	γ 100.01(0)

R-Factor (%):	4.13	***Temperature(K):***	110	***Density(g/cm³):***	1.577



Parameters

Fragment 1

DIST1 (D)	3.369
DIST2 (D)	1.841
DIST3 (D)	1.842
DIST4 (D)	1.832
DIST5 (D)	1.862
ANG1 (A)	10.791

COXNUZ

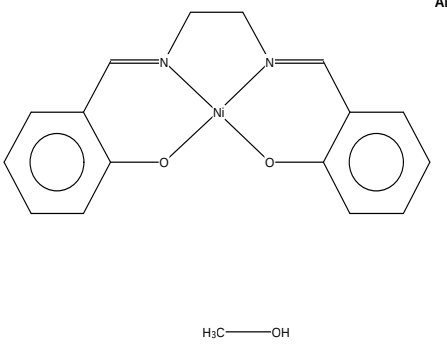
Reference: M.A.Siegler, M.Lutz (2009) *Cryst.Growth Des.* ,**9,**1194

Formula: $C_{16}H_{14}N_2Ni_1O_2,1.5(C_1H_4O_1)$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii) methanol solvate

Space Group:	Pbcn	***Cell:***	***a***	18.344(0)	***b***	6.792(0)	***c*** 26.761(0)
Space Group No.:	60	***(Å,°)***	α	90.00	β	90.00	γ 90.00

R-Factor (%):	2.78	***Temperature(K):***	150	***Density(g/cm³):***	1.486



Parameters

Fragment 1

DIST1 (D)	3.438
DIST2 (D)	1.849
DIST3 (D)	1.842
DIST4 (D)	1.842
DIST5 (D)	1.852
ANG1 (A)	9.781

Search: search7 (Wed Jan 30 14:32:42 2019): Hits 5-8

FENRIA

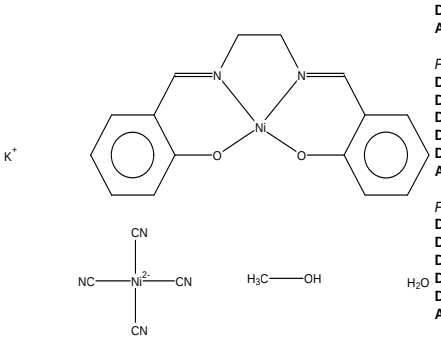
Reference: S.Skovgaard, A.D.Bond, C.J.McKenzie (2005)
Acta Crystallogr.,Sect.E:Struct.Rep.Online ,**61,**m135

Formula: $2(K_1{}^{1+}),6(C_{16}H_{14}N_2Ni_1O_2),C_4N_4Ni_1{}^{2-},6(C_1H_4O_1),2(H_2O_1)$

Compound Name: Dipotassium hexakis((2,2'-(ethane-1,2-diylbis(nitrilomethylidyne)) diphenolato)-nickel(ii)) tetracyano-nickel(ii) methanol solvate dihydrate

Space Group:	Pbca	***Cell:***	***a***	14.321(1)	***b***	24.855(2)	***c***	29.709(3)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 5.47 ***Temperature(K):*** 180 ***Density(g/cm³):*** 1.520



Parameters

Fragment 1

DIST1 (D)	3.322
DIST2 (D)	1.833
DIST3 (D)	1.846
DIST4 (D)	1.859
DIST5 (D)	1.850
ANG1 (A)	12.926

Fragment 2

DIST1 (D)	3.322
DIST2 (D)	1.843
DIST3 (D)	1.839
DIST4 (D)	1.851
DIST5 (D)	1.851
ANG1 (A)	1.910

Fragment 3

DIST1 (D)	3.340
DIST2 (D)	1.842
DIST3 (D)	1.842
DIST4 (D)	1.853
DIST5 (D)	1.851
ANG1 (A)	1.904

FEYWEM

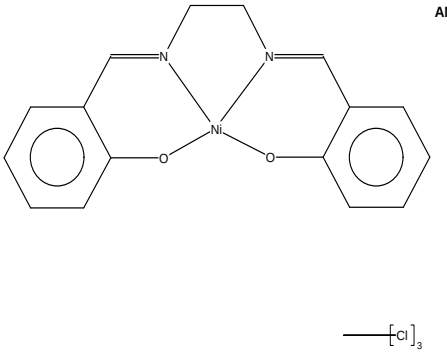
Reference: Xiao-Li Cheng, Shan Gao, Li-Hua Huo, S.W.Ng (2005)
Acta Crystallogr.,Sect.E:Struct.Rep.Online ,**61,**m385

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_1H_1Cl_3$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii) chloroform solvate

Space Group:	Pnnm	***Cell:***	***a***	6.997(1)	***b***	14.221(3)	***c***	18.355(4)
Space Group No.:	58	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 4.60 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.616



Parameters

Fragment 1

DIST1 (D)	3.191
DIST2 (D)	1.843
DIST3 (D)	1.843
DIST4 (D)	1.844
DIST5 (D)	1.844
ANG1 (A)	3.843

FEYWEM01

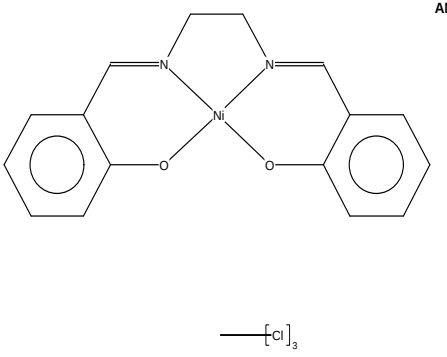
Reference: M.A.Siegler, M.Lutz (2009) *Cryst.Growth Des.* ,**9,**1194

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_1H_1Cl_3$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii) chloroform solvate

Space Group:	P21/n	***Cell:***	***a***	13.863(0)	***b***	6.949(0)	***c***	18.093(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	90.11(0)	γ	90.00

R-Factor (%): 3.70 ***Temperature(K):*** 110 ***Density(g/cm³):*** 1.694



Parameters

Fragment 1

DIST1 (D)	3.133
DIST2 (D)	1.850
DIST3 (D)	1.835
DIST4 (D)	1.839
DIST5 (D)	1.857
ANG1 (A)	3.759

FEYWEM02

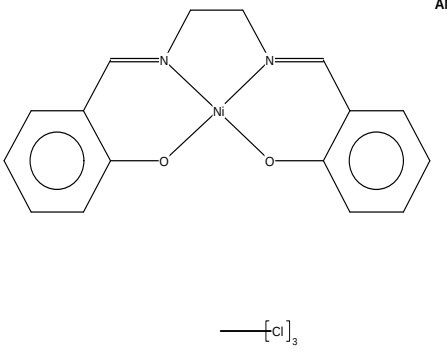
Reference: M.A.Siegler, M.Lutz (2009) *Cryst.Growth Des.* ,**9,**1194

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_1H_1Cl_3$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii) chloroform solvate

Space Group:	Pnnm	***Cell:***	***a***	14.227(0)	***b***	6.995(0)	***c***	18.335(0)
Space Group No.:	58	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 4.66 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.618



Parameters

Fragment 1

DIST1 (D)	3.193
DIST2 (D)	1.840
DIST3 (D)	1.840
DIST4 (D)	1.847
DIST5 (D)	1.847
ANG1 (A)	3.620

Search: search7 (Wed Jan 30 14:32:42 2019): Hits 9-12

JIMNOJ

Reference: Xun Feng, Zhong-Xiang Du, Bao-Kian Ye, Fu-Na Cui (2007) *Jiegou Huaxue(Chin.)(Chin.J.Struct.Chem.)* ,**26,**1033

Formula: $2(C_{16}H_{14}N_2Ni_1O_2),H_4N_1^{1+},C_1N_1S_1^{1-}$

Compound Name: Ammonium bis(N,N'-ethylene-bis(salicylideniminato)-nickel(ii)) isothiocyanate

Space Group:	Pbca	***Cell:***	***a***	16.873(1)	***b***	19.005(1)	***c***	20.058(1)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 3.94 ***Temperature(K):*** 291 ***Density(g/cm³):*** 1.500

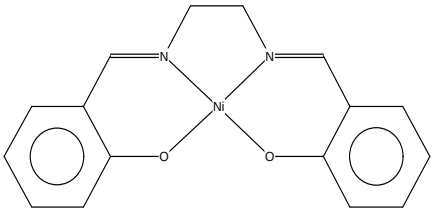
Parameters

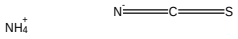
Fragment 1

DIST1 (D)	3.614
DIST2 (D)	1.839
DIST3 (D)	1.842
DIST4 (D)	1.839
DIST5 (D)	1.848
ANG1 (A)	12.301

Fragment 2

DIST1 (D)	3.614
DIST2 (D)	1.842
DIST3 (D)	1.839
DIST4 (D)	1.848
DIST5 (D)	1.850
ANG1 (A)	7.974





NORFOR

Reference: Ali Hossein Kianfar, M.Dostani, W.A.K.Mahmood (2015) *Polyhedron* ,**85,**488

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_8H_2Cl_2N_2O_2$

Compound Name: (2,2'-(ethane-1,2-diylbis((nitrilo)methylylidene))diphenolato)-nickel(ii) 4,5-dichloro-3,6-dihydroxyphthalonitrile

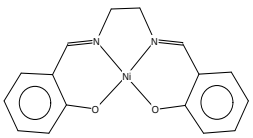
Space Group:	P-1	***Cell:***	***a***	8.566(0)	***b***	11.156(0)	***c***	13.913(1)
Space Group No.:	2	***(Å,°)***	α	111.97(0)	β	103.45(0)	γ	92.79(0)

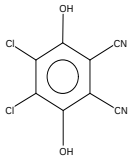
R-Factor (%): 4.21 ***Temperature(K):*** 100 ***Density(g/cm³):*** 1.552

Parameters

Fragment 1

DIST1 (D)	3.636
DIST2 (D)	1.853
DIST3 (D)	1.852
DIST4 (D)	1.843
DIST5 (D)	1.874
ANG1 (A)	6.179





SAENNI

Reference: L.M.Shkol'nikova, E.M.Yumal', E.A.Shugam, V.A.Voblikova (1970) *Zh.Strukt.Khim.(Russ.)(J.Struct.Chem.)* ,**11,**886

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (N,N'-bis(Salicylal)-ethylenedi-iminato)-nickel(ii)

Synonym: (2,2'-(ethane-1,2-diylbis((azanylylidene)methylylidene))bis(phenolato))-nickel(ii)

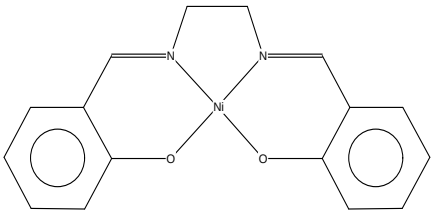
Space Group:	Pbca	***Cell:***	***a***	13.818(8)	***b***	26.132(9)	***c***	7.483(3)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 12.70 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.597

Parameters

Fragment 1

DIST1 (D)	3.203
DIST2 (D)	1.867
DIST3 (D)	1.849
DIST4 (D)	1.831
DIST5 (D)	1.827
ANG1 (A)	7.173



SAENNI01

Reference: A.G.Manfredotti, C.Guastini (1983) *Acta Crystallogr.,Sect.C:Cryst.Struct.Commun.* ,**39,**863

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii)

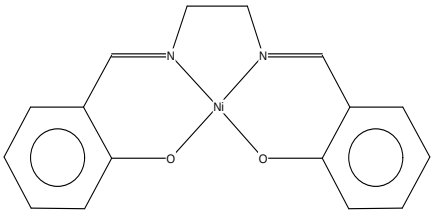
Space Group:	Pbca	***Cell:***	***a***	13.831(3)	***b***	26.155(5)	***c***	7.482(2)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 4.20 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.595

Parameters

Fragment 1

DIST1 (D)	3.201
DIST2 (D)	1.853
DIST3 (D)	1.843
DIST4 (D)	1.850
DIST5 (D)	1.854
ANG1 (A)	7.003



Search: search7 (Wed Jan 30 14:32:42 2019): Hits 13-16

SAENNI02

Reference: E.F.DiMauro, M.C.Kozlowski (2002) *Organometallics* ,**21,** 1454

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (N,N'-Ethylene-bis(salicylideneaminato-N,O))-nickel(ii)

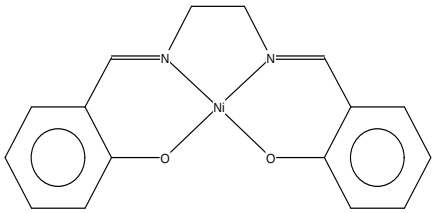
Space Group:	Pbca	***Cell:***	***a***	7.429(0)	***b***	13.740(0)	***c***	26.069(0)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 6.29 ***Temperature(K):*** 200 ***Density(g/cm³):*** 1.623

Parameters

Fragment 1

DIST1 (D)	3.180
DIST2 (D)	1.850
DIST3 (D)	1.850
DIST4 (D)	1.850
DIST5 (D)	1.851
ANG1 (A)	6.946



SAENNI03

Reference: M.Kondo, K.Nabari, T.Horiba, Y.Irie, Md K.Kabir, R.P.Sarker, E.Shimizu, Y.Shimizu, Y.Fuwa (2003) *Inorg.Chem.Commun.* ,**6,**154

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii)

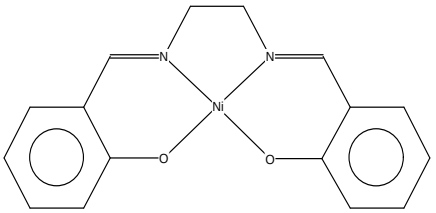
Space Group:	Pbca	***Cell:***	***a***	7.484(3)	***b***	13.822(6)	***c***	26.150(10)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 4.76 ***Temperature(K):*** 293 ***Density(g/cm³):*** 1.596

Parameters

Fragment 1

DIST1 (D)	3.201
DIST2 (D)	1.846
DIST3 (D)	1.853
DIST4 (D)	1.852
DIST5 (D)	1.851
ANG1 (A)	6.759



SAENNI05

Reference: M.A.Siegler, M.Lutz (2009) *Cryst.Growth Des.* ,**9,**1194

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato))-nickel(ii)

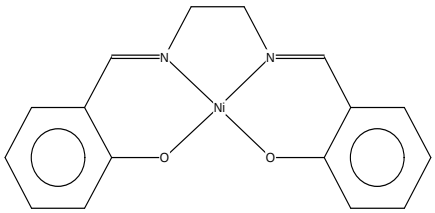
Space Group:	Pcab	***Cell:***	***a***	13.684(0)	***b***	7.377(0)	***c***	25.968(0)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 1.86 ***Temperature(K):*** 100 ***Density(g/cm³):*** 1.647

Parameters

Fragment 1

DIST1 (D)	3.160
DIST2 (D)	1.852
DIST3 (D)	1.849
DIST4 (D)	1.849
DIST5 (D)	1.854
ANG1 (A)	6.913



SAENNI06

Reference: Y.Ding, F.Wang, Z.J.Ku, L.S.Wang, Q.R.Wang (2009) *Koord.Khim.(Russ.)(Coord.Chem.)* ,**35,**366

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (Ethylene-1,2-bis(salicylideneaminato))-nickel(ii)

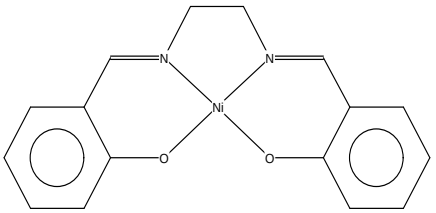
Space Group:	Pbca	***Cell:***	***a***	7.472(0)	***b***	13.805(0)	***c***	26.098(1)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 2.38 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.604

Parameters

Fragment 1

DIST1 (D)	3.196
DIST2 (D)	1.845
DIST3 (D)	1.850
DIST4 (D)	1.852
DIST5 (D)	1.845
ANG1 (A)	6.699



Search: search7 (Wed Jan 30 14:32:42 2019): Hits 17-20

SAENNI07

Reference: J.G.Malecki (2012)
CSD Communication(Private Communication) ,

Formula: $C_{16}H_{14}N_2Ni_1O_2$

Compound Name: (N,N'-Ethylenebis(salicylideneiminato))-nickel(ii)

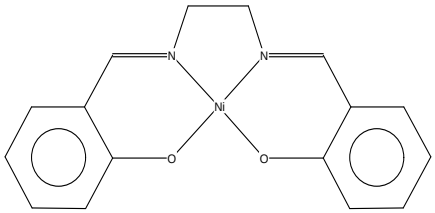
Space Group:	Pbca	***Cell:***	***a***	7.474(1)	***b***	13.808(3)	***c*** 26.143(5)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ 90.00

R-Factor (%): 3.95 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.600

Parameters

Fragment 1

DIST1 (D)	3.198
DIST2 (D)	1.852
DIST3 (D)	1.845
DIST4 (D)	1.852
DIST5 (D)	1.850
ANG1 (A)	6.596



TUNREB

Reference: R.L.De, M.Mandal, L.Roy, J.Mukherjee, R.K.De (2014)
J.Indian Chem.Soc. ,**91,**2165

Formula: $C_{32}H_{32}N_4O_6Zn_3^{2+},2(C_{16}H_{14}N_2Ni_1O_2),2(Cl_1O_4^{1-}),0.5(H_2O_1)$

Compound Name: bis(μ_2-2,2'-(Ethane-1,2-diylbis(nitrilomethylylidene))diphenolato)-diaqua-tri-zinc (2,2'-(ethane-1,2-diylbis(nitrilomethylylidene))diphenolato)-nickel diperchlorate hemihydrate

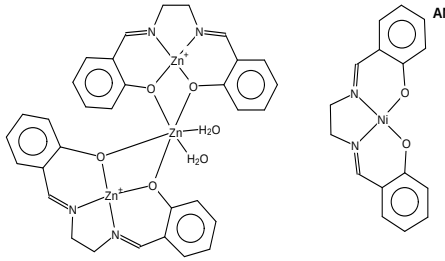
Space Group:	C2/c	***Cell:***	***a***	28.527(2)	***b***	10.175(0)	***c*** 24.161(2)
Space Group No.:	15	***(Å,°)***	α	90.00	β	111.89(0)	γ 90.00

R-Factor (%): 6.48 ***Temperature(K):*** 293 ***Density(g/cm³):*** 1.656

Parameters

Fragment 1

DIST1 (D)	3.281
DIST2 (D)	1.837
DIST3 (D)	1.836
DIST4 (D)	1.853
DIST5 (D)	1.858
ANG1 (A)	1.744



ClO_4^-

H_2O

UMIBAT

Reference: M.Lutz (2003) *Acta Crystallogr.,Sect.E:Struct.Rep.Online* ,
59,m950

Formula: $C_{16}H_{14}N_2Ni_1O_2,C_3H_7N_1O_1$

Compound Name: (N,N'-Ethylene-bis(salicylideneiminato-N,O))-nickel(ii) dimethylformamide solvate

Space Group:	P21/c	***Cell:***	***a***	13.387(0)	***b***	6.669(0)	***c*** 22.733(0)
Space Group No.:	14	***(Å,°)***	α	90.00	β	118.04(0)	γ 90.00

R-Factor (%): 2.70 ***Temperature(K):*** 150 ***Density(g/cm³):*** 1.476

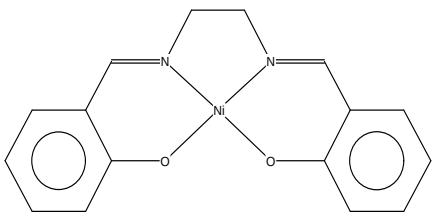
Parameters

Fragment 1

DIST1 (D)	3.390
DIST2 (D)	1.848
DIST3 (D)	1.845
DIST4 (D)	1.845
DIST5 (D)	1.850
ANG1 (A)	7.132

Fragment 2

DIST1 (D)	3.551
DIST2 (D)	1.848
DIST3 (D)	1.845
DIST4 (D)	1.845
DIST5 (D)	1.850
ANG1 (A)	7.132



OHC——NMe$_2$

VUYJAB

Reference: G.Assey, Y.Gultneh, R.J.Butcher (2010)
Acta Crystallogr.,Sect.E:Struct.Rep.Online ,**66,**m654

Formula: $C_2H_{10}N_2^{2+},4(C_{16}H_{14}N_2Ni_1O_2),2(Cl_1O_4^{1-}),2(C_3H_7N_1O_1)$

Compound Name: Ethylenediammonium tetrakis((2,2'-[ethane-1,2-diylbis(nitrilomethylidyne)]diphenolato)-nickel(ii)) diperchlorate N,N-dimethylformamide solvate

Space Group:	P-1	***Cell:***	***a***	15.021(1)	***b***	15.049(1)	***c*** 18.271(0)
Space Group No.:	2	***(Å,°)***	α	85.99(0)	β	86.51(0)	γ 62.96(0)

R-Factor (%): 3.89 ***Temperature(K):*** 200 ***Density(g/cm³):*** 1.546

Parameters

Fragment 1

DIST1 (D)	3.454
DIST2 (D)	1.844
DIST3 (D)	1.850
DIST4 (D)	1.838
DIST5 (D)	1.852
ANG1 (A)	11.970

Fragment 2

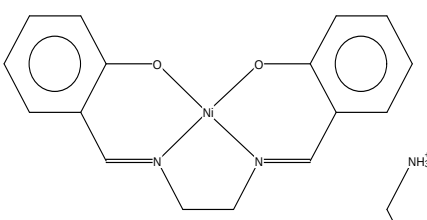
DIST1 (D)	3.454
DIST2 (D)	1.848
DIST3 (D)	1.837
DIST4 (D)	1.849
DIST5 (D)	1.837
ANG1 (A)	2.806

Fragment 3

DIST1 (D)	3.644
DIST2 (D)	1.846
DIST3 (D)	1.845
DIST4 (D)	1.841
DIST5 (D)	1.856
ANG1 (A)	10.723

Fragment 4

DIST1 (D)	3.644
DIST2 (D)	1.850
DIST3 (D)	1.842
DIST4 (D)	1.856
DIST5 (D)	1.845
ANG1 (A)	13.120



ClO_4^-

Me$_2$N——CHO

^+H_3N