

Search Overview

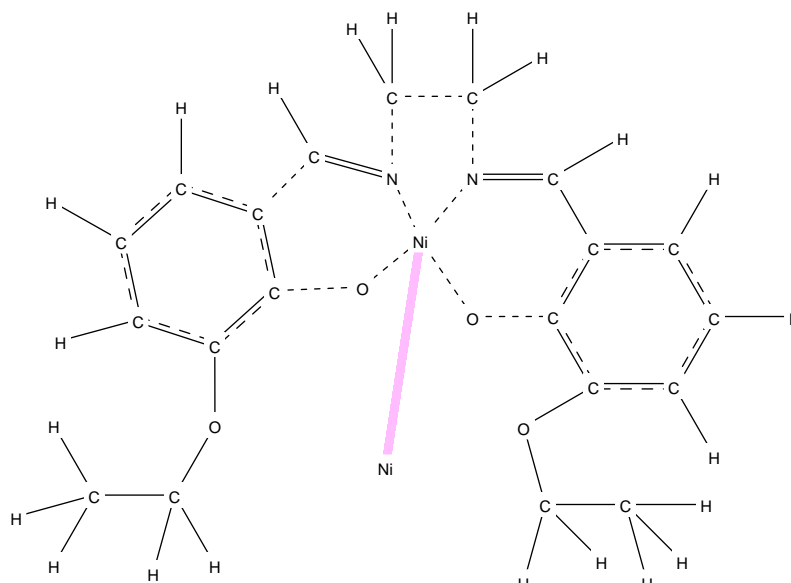
Search: search9
Date/Time done: Wed Jan 30 14:37:24 2019
Database(s): CSD version 5.40 (November 2018)
Restriction Info: No refcode restrictions applied
Filters: None
Percentage Completed: 100%
Number of Hits: 26

Single query used. Search found structures that:

match

Query 1

Query 1



Search: search9 (Wed Jan 30 14:37:24 2019): Hits 1-4

AXUTUK

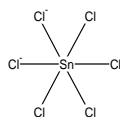
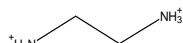
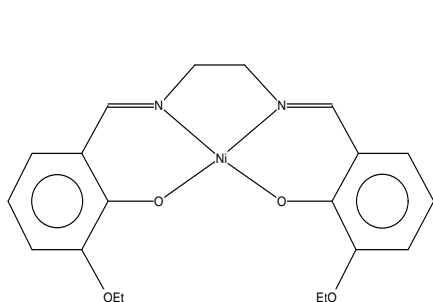
Reference: S.Hazra, R.Meyrelles, A.J.Charmier, P.Rijo, M.Fatima C.Guedes da Silva, A.J.L.Pombeiro (2016) *Dalton Trans.* **45**, 17929

Formula: $2(C_{20}H_{22}N_2Ni_1O_4) \cdot C_2H_{10}N_2^{2+} \cdot Cl_6Sn_1^{2-} \cdot 2(C_1H_4O_1)$

Compound Name: ethane-1,2-diaminium bis((2,2'-(ethane-1,2-diybis(iminomethylidene))-bis(6-ethoxyphenolato))-nickel(ii)) hexachloro-tin(iv) methanol solvate

Space Group: P-1 **Cell:** a 10.317(0) b 11.751(0) c 12.822(0)
Space Group No.: 2 **(Å, °)** α 114.36(0) β 108.04(0) γ 96.32(0)

R-Factor (%): 2.67 **Temperature(K):** 150 **Density(g/cm³):** 1.646



Parameters

Fragment 1
DIST1 (D) 3.840
DIST2 (D) 1.856
DIST3 (D) 1.852
DIST4 (D) 1.867
DIST5 (D) 1.874
ANG1 (A) 5.114

ECAYES

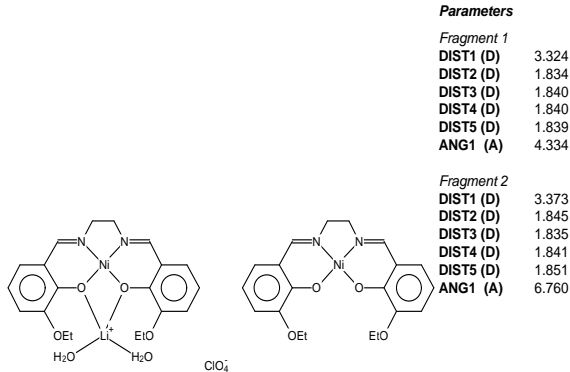
Reference: S.Sarkar, S.Mohanta (2011) *RSC Advances* ,1,640

Formula: $C_{20}H_{26}Li_1N_2Ni_1O_6^{1+} \cdot 2(C_{20}H_{22}N_2Ni_1O_4) \cdot Cl_1O_4^{1-}$

Compound Name: (μ₂-2,2'-(ethane-1,2-diybis((nitrido)methylidene))-bis(6-ethoxyphenolato))-lithium-nickel(ii) bis((2,2'-(ethane-1,2-diybis((nitrido)methylidene))-bis(6-ethoxyphenolato))-nickel(ii)) perchlorate

Space Group: P-1 **Cell:** a 11.861(1) b 15.811(2) c 17.483(2)
Space Group No.: 2 **(Å, °)** α 84.90(0) β 73.44(0) γ 80.68(0)

R-Factor (%): 5.24 **Temperature(K):** 296 **Density(g/cm³):** 1.481



Parameters

Fragment 1
DIST1 (D) 3.324
DIST2 (D) 1.834
DIST3 (D) 1.840
DIST4 (D) 1.840
DIST5 (D) 1.839
ANG1 (A) 4.334

Fragment 2

DIST1 (D) 3.373
DIST2 (D) 1.845
DIST3 (D) 1.835
DIST4 (D) 1.841
DIST5 (D) 1.851
ANG1 (A) 6.760

ECAYIS

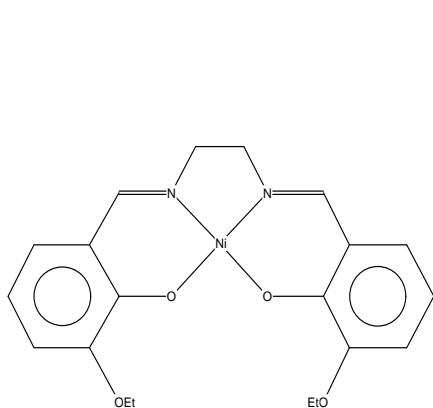
Reference: S.Sarkar, S.Mohanta (2011) *RSC Advances* ,1,640

Formula: $2(C_{20}H_{22}N_2Ni_1O_4) \cdot H_4N_1^{1+} \cdot F_6P_1^{1-}$

Compound Name: ammonium bis((2,2'-(ethane-1,2-diybis((nitrido)methylidene))-bis(6-ethoxyphenolato))-nickel(ii)) hexafluorophosphate

Space Group: P21/n **Cell:** a 15.934(3) b 14.920(2) c 18.255(3)
Space Group No.: 14 **(Å, °)** α 90.00 β 92.11(0) γ 90.00

R-Factor (%): 4.36 **Temperature(K):** 296 **Density(g/cm³):** 1.515



Parameters

Fragment 1
DIST1 (D) 3.434
DIST2 (D) 1.845
DIST3 (D) 1.848
DIST4 (D) 1.840
DIST5 (D) 1.844
ANG1 (A) 3.596

ECAZIT

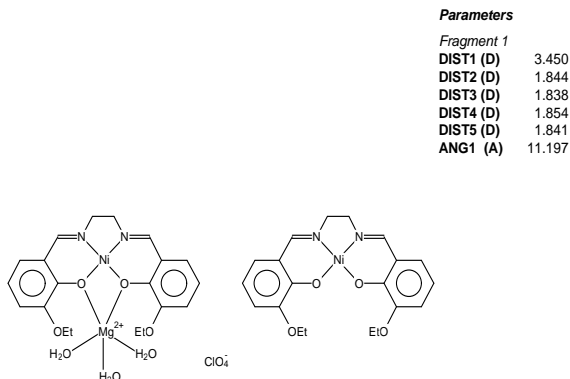
Reference: S.Sarkar, S.Mohanta (2011) *RSC Advances* ,1,640

Formula: $C_{20}H_{28}Mg_1N_2Ni_1O_7^{2+} \cdot 2(C_{20}H_{22}N_2Ni_1O_4) \cdot 2(Cl_1O_4^{1-})$

Compound Name: (μ₂-2,2'-(ethane-1,2-diybis((nitrido)methylidene))-bis(6-ethoxyphenolato))-tri-aqua-magnesium-nickel(ii) bis((2,2'-(ethane-1,2-diybis((nitrido)methylidene))-bis(6-ethoxyphenolato))-nickel(ii)) diperchlorate

Space Group: C2/c **Cell:** a 15.442(1) b 22.455(1) c 18.848(1)
Space Group No.: 15 **(Å, °)** α 90.00 β 94.56(0) γ 90.00

R-Factor (%): 5.12 **Temperature(K):** 296 **Density(g/cm³):** 1.546



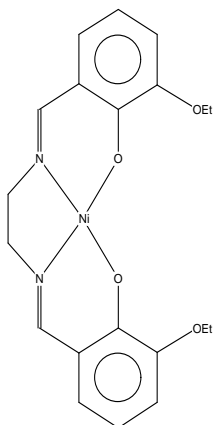
Parameters

Fragment 1
DIST1 (D) 3.450
DIST2 (D) 1.844
DIST3 (D) 1.838
DIST4 (D) 1.854
DIST5 (D) 1.841
ANG1 (A) 11.197

Search: search9 (Wed Jan 30 14:37:24 2019): Hits 5-8

GECFEB

Reference: S.Sarkar, M.Fleck, S.Mohanta (2012) *J.Mol.Struct.* ,1021, 174
Formula: C₂ H₁₀ N₂²⁺.2(C₂₀ H₂₂ N₂ Ni₁ O₄).2(N₁ O₃¹⁻)
Compound Name: Ethane-1,2-diammonium (2,2'-(ethane-1,2-diylbis(nitrilomethylidene))-bis(6-ethoxyphenolato))-nickel(ii) dinitrate
Space Group: P-1 **Cell:** a 9.290(2) b 11.419(2) c 11.909(2)
Space Group No.: 2 **(Å, °)** α 111.09(0) β 97.86(0) γ 93.02(0)
R-Factor (%): 3.85 **Temperature(K):** 296 **Density(g/cm³):** 1.449

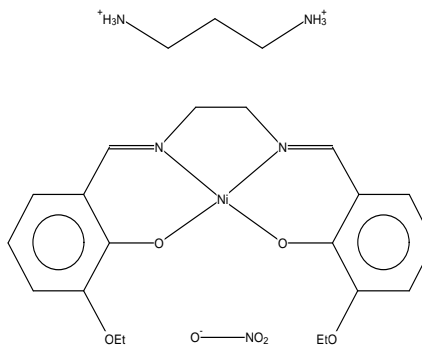


Parameters

Fragment 1	
DIST1 (D)	3.915
DIST2 (D)	1.864
DIST3 (D)	1.863
DIST4 (D)	1.867
DIST5 (D)	1.870
ANG1 (A)	19.547

GECFIF

Reference: S.Sarkar, M.Fleck, S.Mohanta (2012) *J.Mol.Struct.* ,1021, 174
Formula: C₃ H₁₂ N₂²⁺.2(C₂₀ H₂₂ N₂ Ni₁ O₄).2(N₁ O₃¹⁻)
Compound Name: Propane-1,2-diammonium (2,2'-(ethane-1,2-diylbis(nitrilomethylidene))-bis(6-ethoxyphenolato))-nickel(ii) dinitrate
Space Group: P1 **Cell:** a 9.241(0) b 11.528(0) c 12.066(0)
Space Group No.: 1 **(Å, °)** α 114.46(0) β 98.45(0) γ 91.47(0)
R-Factor (%): 5.31 **Temperature(K):** 296 **Density(g/cm³):** 1.479



Parameters

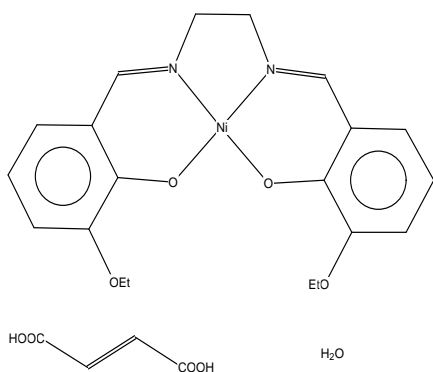
Fragment 1	
DIST1 (D)	3.849
DIST2 (D)	1.860
DIST3 (D)	1.838
DIST4 (D)	1.849
DIST5 (D)	1.835
ANG1 (A)	19.342

Fragment 2

DIST1 (D)	3.849
DIST2 (D)	1.867
DIST3 (D)	1.843
DIST4 (D)	1.871
DIST5 (D)	1.873
ANG1 (A)	20.876

TUMMUL

Reference: S.Ghosh, L.Mandal, S.Mohanta (2015) *Polyhedron* ,97,1
Formula: C₂₀ H₂₂ N₂ Ni₁ O₄.0.5(C₄ H₄ O₄).H₂ O₁
Compound Name: (2,2'-(ethane-1,2-diylbis(nitrilomethylidene))bis(6-ethoxyphenolato))-nickel(ii) hemikis(but-2-enedioate) monohydrate
Synonym: (2,2'-(ethane-1,2-diylbis(nitrilomethylidene))bis(6-ethoxyphenolato))-nickel(ii) hemikis(fumaric acid) monohydrate
Space Group: P21/c **Cell:** a 9.633(0) b 15.398(1) c 14.908(1)
Space Group No.: 14 **(Å, °)** α 90.00 β 94.12(0) γ 90.00
R-Factor (%): 3.58 **Temperature(K):** 296 **Density(g/cm³):** 1.473

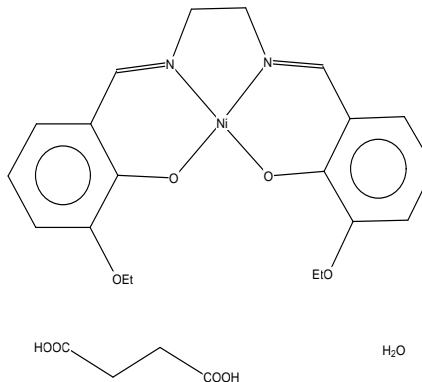


Parameters

Fragment 1	
DIST1 (D)	3.422
DIST2 (D)	1.843
DIST3 (D)	1.843
DIST4 (D)	1.845
DIST5 (D)	1.846
ANG1 (A)	7.343

TUMNEW

Reference: S.Ghosh, L.Mandal, S.Mohanta (2015) *Polyhedron* ,97,1
Formula: C₂₀ H₂₂ N₂ Ni₁ O₄.0.5(C₄ H₆ O₄).H₂ O₁
Compound Name: (2,2'-(ethane-1,2-diylbis(nitrilomethylidene))bis(6-ethoxyphenolato))-nickel(ii) hemikis(succinic acid) monohydrate
Space Group: P21/c **Cell:** a 9.495(4) b 15.361(7) c 15.067(7)
Space Group No.: 14 **(Å, °)** α 90.00 β 93.93(0) γ 90.00
R-Factor (%): 5.21 **Temperature(K):** 296 **Density(g/cm³):** 1.485



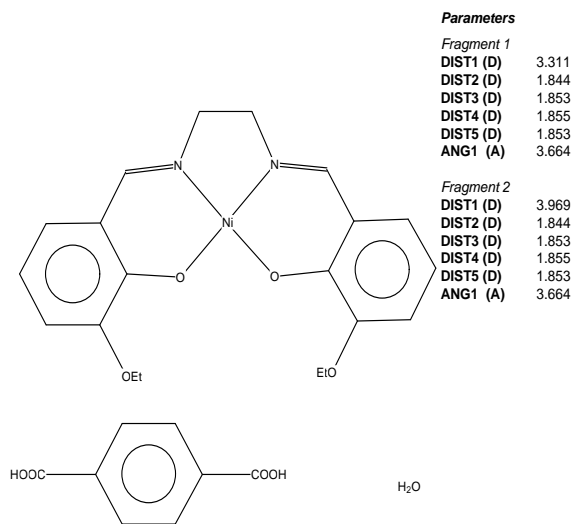
Parameters

Fragment 1	
DIST1 (D)	3.391
DIST2 (D)	1.827
DIST3 (D)	1.827
DIST4 (D)	1.829
DIST5 (D)	1.836
ANG1 (A)	7.935

Search: search9 (Wed Jan 30 14:37:24 2019): Hits 9-12

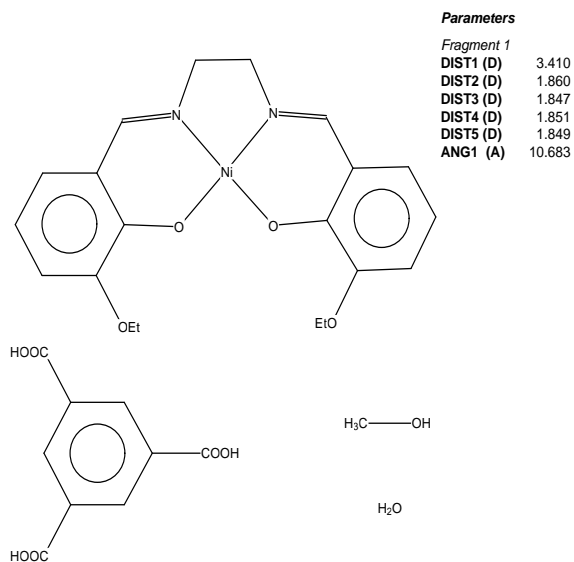
TUMNIA

Reference: S.Ghosh, L.Mandal, S.Mohanta (2015) *Polyhedron*, 97,1
Formula: C₂₀ H₂₂ N₂ Ni₁ O₄·0.5(C₈ H₆ O₄)·H₂ O₁
Compound Name: (2,2'-(ethane-1,2-diylobis((nitriolo)methylidene))bis(6-ethoxyphenolato))-nickel(ii) hemikis(terephthalic acid) monohydrate
Space Group: P-1 **Cell:** a 7.055(0) b 13.094(1) c 13.140(1)
Space Group No.: 2 **Cell:** α 90.71(0) β 91.94(0) γ 102.98(0)
R-Factor (%): 3.84 **Temperature(K):** 296 **Density(g/cm³):** 1.445



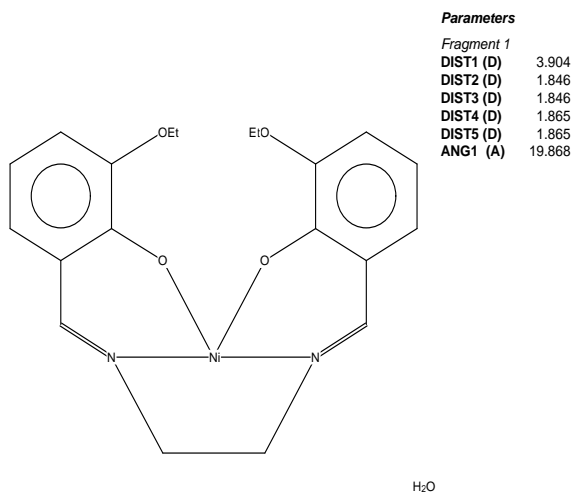
TUMNUM

Reference: S.Ghosh, L.Mandal, S.Mohanta (2015) *Polyhedron*, 97,1
Formula: C₂₀ H₂₂ N₂ Ni₁ O₄·C₉ H₆ O₆·C₁ H₄ O₁·H₂ O₁
Compound Name: (2,2'-(ethane-1,2-diylobis((nitriolo)methylidene))bis(6-ethoxyphenolato))-nickel(ii) benzene-1,3,5-tricarboxylic acid methanol solvate monohydrate
Space Group: P-1 **Cell:** a 7.949(1) b 11.857(1) c 17.187(2)
Space Group No.: 2 **Cell:** α 92.95(0) β 95.72(0) γ 100.30(0)
R-Factor (%): 4.75 **Temperature(K):** 296 **Density(g/cm³):** 1.414



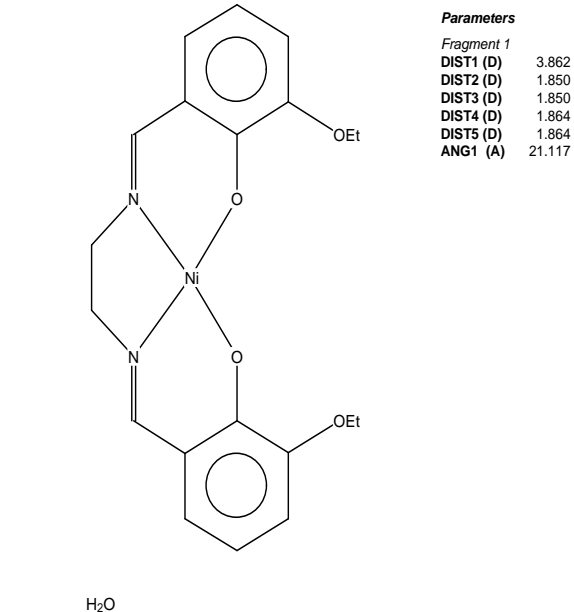
VOHSIV

Reference: Hai Xie (2008) *Acta Crystallogr., Sect.E:Struct.Rep.Online*, 64,m1638
Formula: C₂₀ H₂₂ N₂ Ni₁ O₄·H₂ O₁
Compound Name: (2,2'-(1,2-Ethanediylobis((nitriolo-κN)methylidene))-bis(6-ethoxyphenolato))-nickel(ii) monohydrate
Space Group: Pbcn **Cell:** a 12.840(0) b 19.613(1) c 7.585(0)
Space Group No.: 60 **Cell:** α 90.00 β 90.00 γ 90.00
R-Factor (%): 2.71 **Temperature(K):** 273 **Density(g/cm³):** 1.499



VOHSIV01

Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735
Formula: C₂₀ H₂₂ N₂ Ni₁ O₄·H₂ O₁
Compound Name: (2,2'-(1,2-Ethanediylobis((nitriolo-N)methylidene))-bis(6-ethoxyphenolato))-nickel(ii) monohydrate
Space Group: Pbcn **Cell:** a 12.778(1) b 19.344(3) c 7.510(1)
Space Group No.: 60 **Cell:** α 90.00 β 90.00 γ 90.00
R-Factor (%): 2.34 **Temperature(K):** 120 **Density(g/cm³):** 1.543



Search: search9 (Wed Jan 30 14:37:24 2019): Hits 13-16

XUWCUO

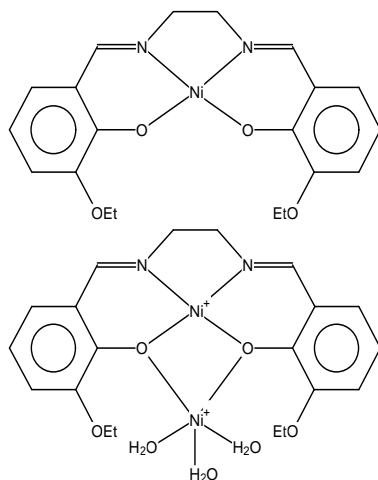
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{N}_2\text{Ni}_2\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicylaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicylaldimine))-triaqua-di-nickel(ii) diperchlorate

Space Group: C2/c **Cell:** a 15.488(0) b 22.400(0) c 18.700(0)
Space Group No.: 15 **(Å, °)** α 90.00 β 94.29(0) γ 90.00

R-Factor (%): 8.32 **Temperature(K):** 293 **Density(g/cm³):** 1.592



Parameters

Fragment 1	
DIST1 (D)	3.470
DIST2 (D)	1.844
DIST3 (D)	1.842
DIST4 (D)	1.845
DIST5 (D)	1.843
ANG1 (A)	11.313

ClO_4^-

XUWCUO01

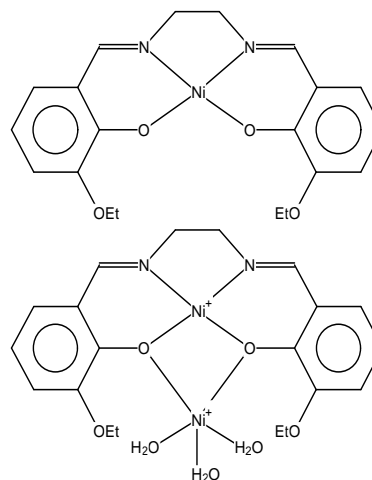
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{N}_2\text{Ni}_2\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicylaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicylaldimine))-triaqua-di-nickel(ii) diperchlorate

Space Group: Cc **Cell:** a 15.488(1) b 22.400(1) c 18.700(1)
Space Group No.: 9 **(Å, °)** α 90.00 β 94.29(0) γ 90.00

R-Factor (%): 7.64 **Temperature(K):** 293 **Density(g/cm³):** 1.592



Parameters

Fragment 1	
DIST1 (D)	3.470
DIST2 (D)	1.752
DIST3 (D)	1.843
DIST4 (D)	1.837
DIST5 (D)	1.842
ANG1 (A)	11.530

Fragment 2

DIST1 (D)	3.470
DIST2 (D)	1.859
DIST3 (D)	1.934
DIST4 (D)	1.860
DIST5 (D)	1.841
ANG1 (A)	12.049

ClO_4^-

XUWDAV

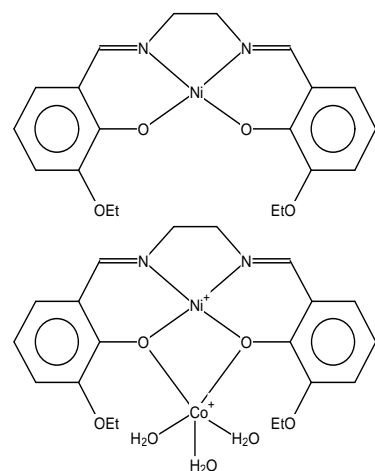
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{Co}_1\text{N}_2\text{Ni}_1\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicylaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicylaldimine))-triaqua-nickel(ii)-cobalt(ii) diperchlorate

Space Group: C2/c **Cell:** a 15.458(1) b 22.452(1) c 18.800(1)
Space Group No.: 15 **(Å, °)** α 90.00 β 94.60(0) γ 90.00

R-Factor (%): 4.64 **Temperature(K):** 293 **Density(g/cm³):** 1.584



Parameters

Fragment 1	
DIST1 (D)	3.458
DIST2 (D)	1.852
DIST3 (D)	1.846
DIST4 (D)	1.854
DIST5 (D)	1.844
ANG1 (A)	11.828

ClO_4^-

XUWDAV01

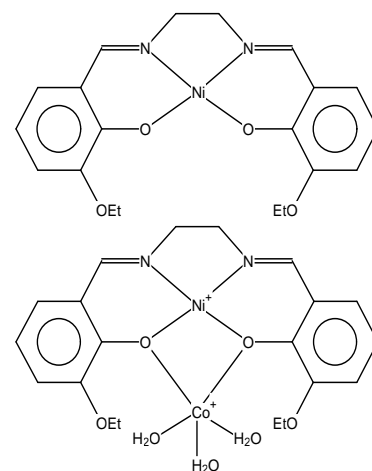
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{Co}_1\text{N}_2\text{Ni}_1\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicylaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicylaldimine))-triaqua-nickel(ii)-cobalt(ii) diperchlorate

Space Group: Cc **Cell:** a 15.458(1) b 22.452(1) c 18.800(1)
Space Group No.: 9 **(Å, °)** α 90.00 β 94.60(0) γ 90.00

R-Factor (%): 4.10 **Temperature(K):** 293 **Density(g/cm³):** 1.584



Parameters

Fragment 1	
DIST1 (D)	3.458
DIST2 (D)	1.803
DIST3 (D)	1.836
DIST4 (D)	1.820
DIST5 (D)	1.867
ANG1 (A)	11.727

Fragment 2

DIST1 (D)	3.458
DIST2 (D)	1.865
DIST3 (D)	1.889
DIST4 (D)	1.847
DIST5 (D)	1.865
ANG1 (A)	12.172

ClO_4^-

Search: search9 (Wed Jan 30 14:37:24 2019): Hits 17-20

XUWDEZ

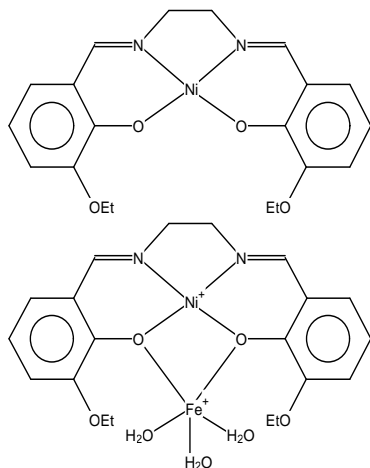
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.* ,735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{Fe}_1\text{N}_2\text{Ni}_1\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicyaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicyaldimine))-triqua-nickel(ii)-iron(ii) diperchlorate

Space Group: C2/c **Cell:** a 15.439(0) b 22.414(0) c 18.779(0)
Space Group No.: 15 **(Å, °)** α 90.00 β 94.32(0) γ 90.00

R-Factor (%): 5.82 **Temperature(K):** 293 **Density(g/cm³):** 1.587



Parameters

Fragment 1
DIST1 (D) 3.445
DIST2 (D) 1.850
DIST3 (D) 1.842
DIST4 (D) 1.855
DIST5 (D) 1.843
ANG1 (A) 11.799

ClO_4^-

XUWDEZ01

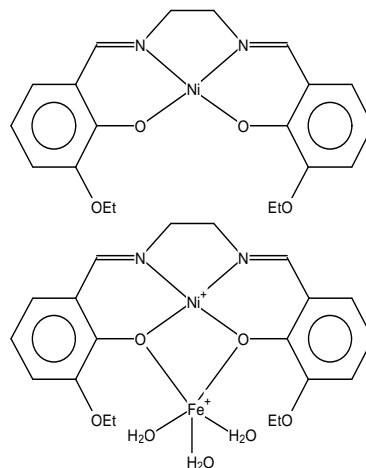
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.* ,735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{Fe}_1\text{N}_2\text{Ni}_1\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicyaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicyaldimine))-triqua-nickel(ii)-iron(ii) diperchlorate

Space Group: Cc **Cell:** a 15.439(0) b 22.414(0) c 18.779(0)
Space Group No.: 9 **(Å, °)** α 90.00 β 94.32(0) γ 90.00

R-Factor (%): 5.55 **Temperature(K):** 293 **Density(g/cm³):** 1.587



Parameters

Fragment 1
DIST1 (D) 3.446
DIST2 (D) 1.815
DIST3 (D) 1.819
DIST4 (D) 1.820
DIST5 (D) 1.848
ANG1 (A) 12.003

Fragment 2

DIST1 (D) 3.446
DIST2 (D) 1.880
DIST3 (D) 1.880
DIST4 (D) 1.861
DIST5 (D) 1.866
ANG1 (A) 11.638

ClO_4^-

XUWDID

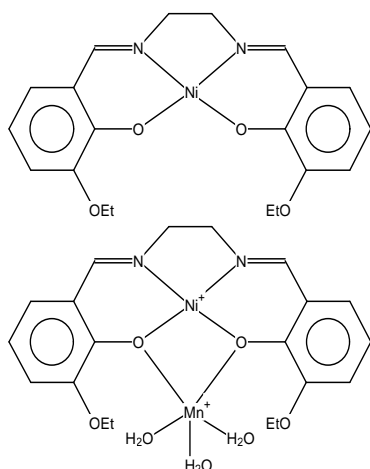
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.* ,735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{Mn}_1\text{N}_2\text{Ni}_1\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicyaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicyaldimine))-triqua-nickel(ii)-manganese(ii) diperchlorate

Space Group: C2/c **Cell:** a 15.437(0) b 22.444(0) c 18.855(0)
Space Group No.: 15 **(Å, °)** α 90.00 β 94.68(0) γ 90.00

R-Factor (%): 4.27 **Temperature(K):** 293 **Density(g/cm³):** 1.578



Parameters

Fragment 1
DIST1 (D) 3.451
DIST2 (D) 1.849
DIST3 (D) 1.846
DIST4 (D) 1.851
DIST5 (D) 1.845
ANG1 (A) 11.920

ClO_4^-

XUWDID01

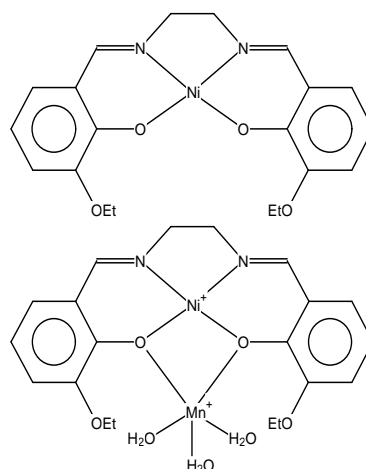
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.* ,735

Formula: $2(\text{C}_{20}\text{H}_{22}\text{N}_2\text{Ni}_1\text{O}_4), \text{C}_{20}\text{H}_{28}\text{Mn}_1\text{N}_2\text{Ni}_1\text{O}_7^{2+}, 2(\text{Cl}_1\text{O}_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicyaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicyaldimine))-triqua-nickel(ii)-manganese(ii) diperchlorate

Space Group: Cc **Cell:** a 15.437(0) b 22.444(0) c 18.855(0)
Space Group No.: 9 **(Å, °)** α 90.00 β 94.68(0) γ 90.00

R-Factor (%): 3.97 **Temperature(K):** 293 **Density(g/cm³):** 1.578



Parameters

Fragment 1
DIST1 (D) 3.451
DIST2 (D) 1.839
DIST3 (D) 1.825
DIST4 (D) 1.843
DIST5 (D) 1.847
ANG1 (A) 12.509

Fragment 2

DIST1 (D) 3.451
DIST2 (D) 1.869
DIST3 (D) 1.855
DIST4 (D) 1.844
DIST5 (D) 1.857
ANG1 (A) 11.323

ClO_4^-

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XUWDOJ

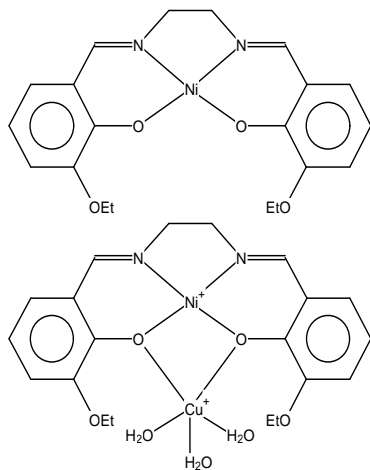
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735

Formula: $2(C_{20}H_{22}N_2Ni_1O_4) \cdot C_{20}H_{28}Cu_1N_2Ni_1O_7^{2+} \cdot 2(Cl_1O_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicyaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicyaldimine))-triaqua-nickel(ii)-copper(ii) diperchlorate

Space Group: Cc **Cell:** a 15.387(2) b 22.127(2) c 18.424(2)
Space Group No.: 9 **(Å, °)** α 90.00 β 93.79(0) γ 90.00

R-Factor (%): 5.14 **Temperature(K):** 100 **Density(g/cm³):** 1.651



Parameters

Fragment 1
DIST1 (D) 3.384
DIST2 (D) 1.836
DIST3 (D) 1.865
DIST4 (D) 1.881
DIST5 (D) 1.837
ANG1 (A) 13.738

Fragment 2
DIST1 (D) 3.384
DIST2 (D) 1.841
DIST3 (D) 1.869
DIST4 (D) 1.854
DIST5 (D) 1.829
ANG1 (A) 12.004

ClO₄⁻

XUWDOJ01

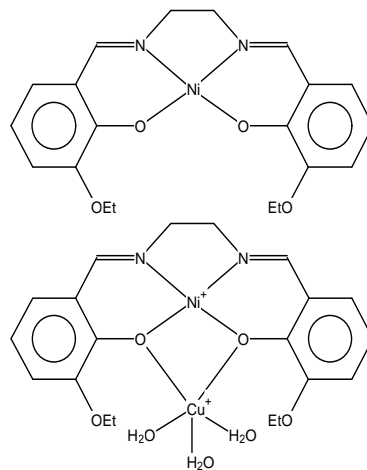
Reference: S.Sarkar, M.Nayak, M.Fleck, S.Dutta, U.Florke, R.Koner, S.Mohanta (2010) *Eur.J.Inorg.Chem.*, 735

Formula: $2(C_{20}H_{22}N_2Ni_1O_4) \cdot C_{20}H_{28}Cu_1N_2Ni_1O_7^{2+} \cdot 2(Cl_1O_4^{1-})$

Compound Name: bis(N,N'-Ethylene-bis(3-ethoxysalicyaldimine)-nickel(ii)) (μ_2 -N,N'-ethylene-bis(3-ethoxysalicyaldimine))-triaqua-nickel(ii)-copper(ii) diperchlorate

Space Group: C2/c **Cell:** a 15.449(1) b 22.242(1) c 18.423(1)
Space Group No.: 15 **(Å, °)** α 90.00 β 95.15(0) γ 90.00

R-Factor (%): 5.85 **Temperature(K):** 120 **Density(g/cm³):** 1.639



Parameters

Fragment 1
DIST1 (D) 3.511
DIST2 (D) 1.874
DIST3 (D) 1.892
DIST4 (D) 1.858
DIST5 (D) 1.869
ANG1 (A) 16.757

ClO₄⁻