

Search Overview

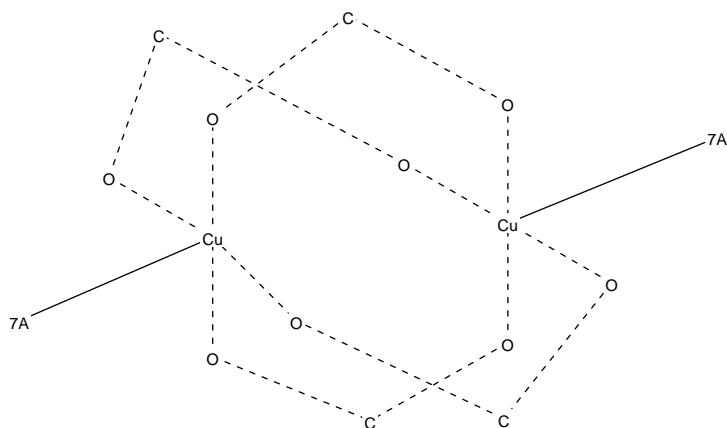
Search: search5
Date/Time done: Sun Aug 20 15:58:38 2017
Database(s): CSD version 5.38 updates (Nov 2016)
CSD version 5.38 (November 2016)
CSD version 5.38 (November 2016)
CSD version 5.38 updates (Feb 2017)
CSD version 5.38 updates (May 2017)
Restriction Info: No refcode restrictions applied
Filters: None
Percentage Completed: 100%
Number of Hits: 17

Single query used. Search found structures that:

match

Query 1

Query 1



Search: search5 (Sun Aug 20 15:58:38 2017): Hits 1-4

FIWGAT

Reference: H.Nakagawa, Y.Kani, M.Tsuchimoto, S.Ohba, M.Hideaki, T.Tokii (1999) *Acta Crystallogr., Sect.C:Cryst.Struct.Commun.* **55**,882

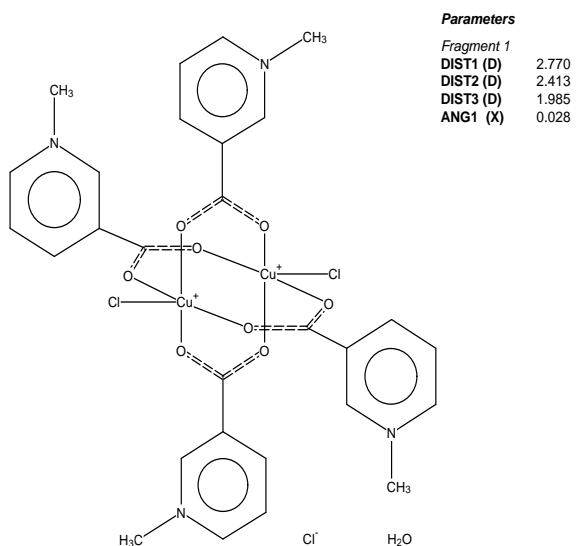
Formula: C₂₈H₂₈Cl₂Cu₂N₄O₈²⁺·2(Cl⁻)₁·8(H₂O)₁

Compound Name: tetrakis(μ₂-N-Methylpyridinium-3-carboxylate)-dichloro-di-copper(ii) dichloride octahydrate

Synonym: tetrakis(μ₂-Trigonelline-O,O)-dichloro-di-copper(ii) dichloride octahydrate

Space Group: P-1 **Cell:** a 10.156(2) b 13.883(2) c 7.793(1)
Space Group No.: 2 **(Å, °)** α 99.40(1) β 109.29(1) γ 75.57(1)

R-Factor (%): 4.30 **Temperature(K):** 295 **Density(g/cm³):** 1.596



GOLSIK

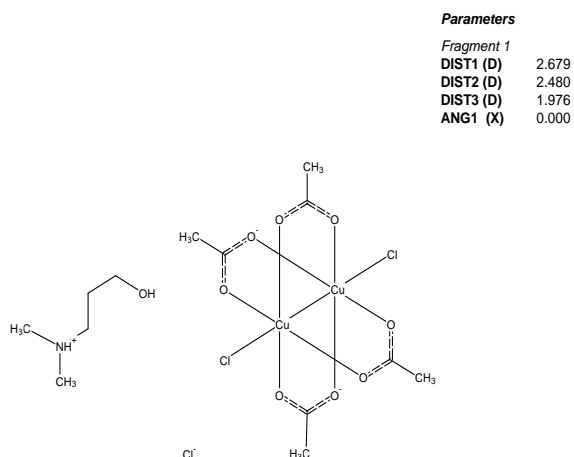
Reference: M.Shahid, M.Mazhar, M.Zeller, A.D.Hunter (2009) *Acta Crystallogr., Sect.E:Struct.Rep.Online* **65**,m345

Formula: 4(C₅H₁₄N₁O₁¹⁺)·C₈H₁₂Cl₂Cu₂O₈²⁻·2(Cl⁻)₁

Compound Name: tetrakis((3-hydroxypropyl)dimethylammonium) tetrakis(μ₂-acetato)-dichloro-di-copper(ii) dichloride

Space Group: P2₁/c **Cell:** a 11.438(3) b 11.266(3) c 16.876(4)
Space Group No.: 14 **(Å, °)** α 90.00 β 97.94(0) γ 90.00

R-Factor (%): 3.61 **Temperature(K):** 100 **Density(g/cm³):** 1.421



HEMPAQ

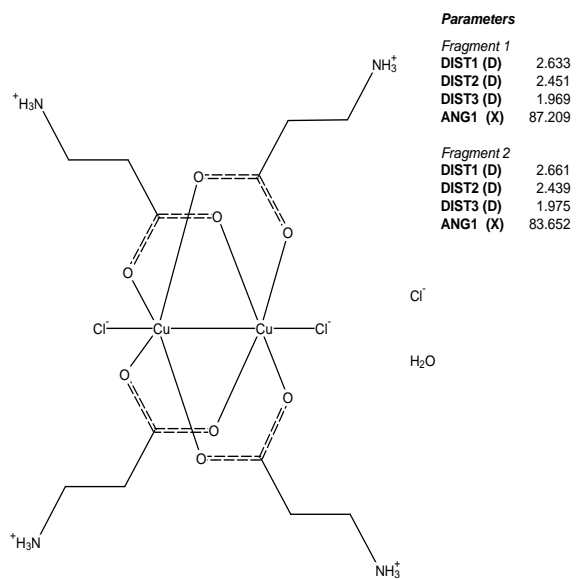
Reference: J.Jezierska, T.Glowiak, A.Ozarowski, Y.V.Yablokov, Z.Rzaczynska (1998) *Inorg.Chim.Acta* **275**,28

Formula: C₁₂H₂₈Cl₂Cu₂N₄O₈²⁺·2(Cl⁻)₁·H₂O₁

Compound Name: tetrakis(μ₂-β-Alanine)-dichloro-di-copper(ii) dichloride monohydrate

Space Group: P-1 **Cell:** a 9.444(2) b 9.498(2) c 14.107(3)
Space Group No.: 2 **(Å, °)** α 104.04(3) β 105.90(3) γ 97.15(3)

R-Factor (%): 3.41 **Temperature(K):** 295 **Density(g/cm³):** 1.849



HIYSIR

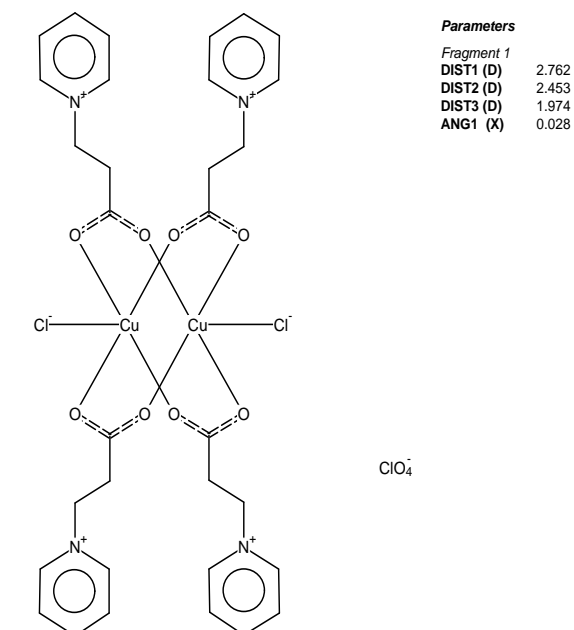
Reference: Xiao-Ming Chen, Xiao-Long Feng, Zhi-Tao Xu, Xiao-Hong Zhang, Feng Xue, T.C.W.Mak (1998) *Polyhedron* **17**,2639

Formula: C₃₂H₃₆Cl₂Cu₂N₄O₈²⁺·2(Cl⁻)₁·O₄¹⁻

Compound Name: tetrakis(μ₂-Pyridiniopropionato)-dichloro-di-copper(ii) diperchlorate

Space Group: Pbc_a **Cell:** a 15.319(3) b 13.415(2) c 19.391(2)
Space Group No.: 61 **(Å, °)** α 90.00 β 90.00 γ 90.00

R-Factor (%): 5.10 **Temperature(K):** 295 **Density(g/cm³):** 1.669



Search: search5 (Sun Aug 20 15:58:38 2017): Hits 5-8

IHAQAJ

Reference: M.R.Silva, J.A.Paixao, A.M.Beja, L.A.da Veiga, J.Martin-Gil (2001) *J.Chem.Cryst.* **31**,167

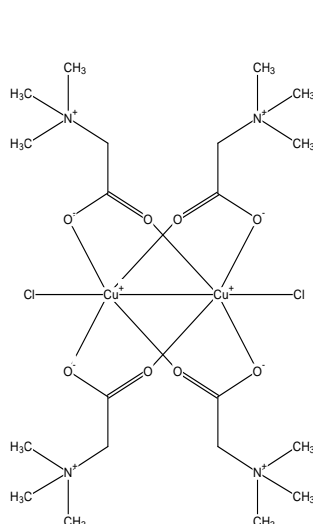
Formula: $C_{20}H_{44}Cl_2Cu_2N_4O_8^{2+} \cdot 2(Cl_1^{-}) \cdot 4(H_2O_1)$

Compound Name: tetrakis(μ_2 -Trimethylammonioacetato-O,O')-dichloro-di-copper(ii) dichloride tetrahydrate

Synonym: tetrakis(μ_2 -Betaine-O,O')-dichloro-di-copper(ii) dichloride tetrahydrate

Space Group: P21/c **Cell:** a 11.051(1) b 14.714(4) c 11.162(1)
Space Group No.: 14 **(Å, °)** α 90.00 β 107.40(2) γ 90.00

R-Factor (%): 3.03 **Temperature(K):** 293 **Density(g/cm³):** 1.552



Parameters

Fragment 1

DIST1 (D)	2.766
DIST2 (D)	2.418
DIST3 (D)	1.968
ANG1 (X)	86.249

Cl⁻
H₂O

MENQUR

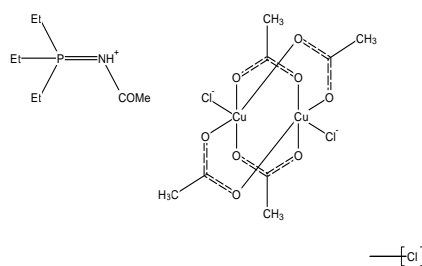
Reference: H.Ackermann, B.Neumuller, K.Dehnicke (2000) *Z.Anorg.Allg.Chem.* **626**,1712

Formula: $2(C_8H_{19}N_1O_1P_1^{1+}) \cdot C_8H_{12}Cl_2Cu_2O_8^{2-} \cdot 4(C_1H_2Cl_2)$

Compound Name: bis(N-Acetyltriethylphosphaneiminium) tetrakis(μ_2 -acetato)-dichloro-di-copper(ii) dichloromethane solvate

Space Group: P21/n **Cell:** a 7.941(1) b 23.569(6) c 13.273(2)
Space Group No.: 14 **(Å, °)** α 90.00 β 91.00(1) γ 90.00

R-Factor (%): 5.97 **Temperature(K):** 203 **Density(g/cm³):** 1.506



Parameters

Fragment 1

DIST1 (D)	2.687
DIST2 (D)	2.465
DIST3 (D)	1.977
ANG1 (X)	0.000

[Cl]₂

QEWYAT

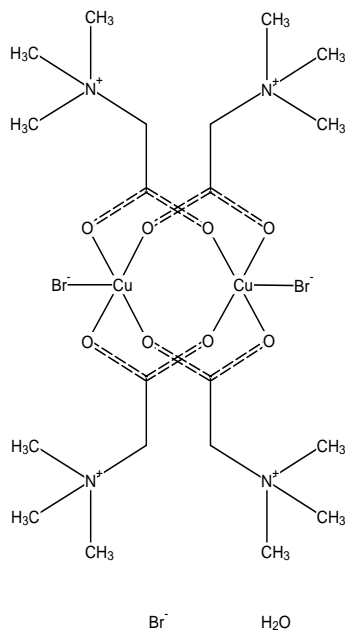
Reference: L.Wiehl, J.Schreuer, A.Stojic (2006) *Z.Kristallogr.-New Cryst.Struct.* **221**,527

Formula: $C_{20}H_{44}Br_2Cu_2N_4O_8^{2+} \cdot 2(Br_1^{-}) \cdot 2(H_2O_1)$

Compound Name: tetrakis(μ_2 -Betaine-O,O')-dibromo-di-copper(ii) dibromide dihydrate

Space Group: P21/c **Cell:** a 11.304(0) b 14.766(0) c 11.324(0)
Space Group No.: 14 **(Å, °)** α 90.00 β 108.19(0) γ 90.00

R-Factor (%): 3.23 **Temperature(K):** 293 **Density(g/cm³):** 1.759



Parameters

Fragment 1

DIST1 (D)	2.768
DIST2 (D)	2.556
DIST3 (D)	1.977
ANG1 (X)	0.034

Br⁻ H₂O

QEWYEX

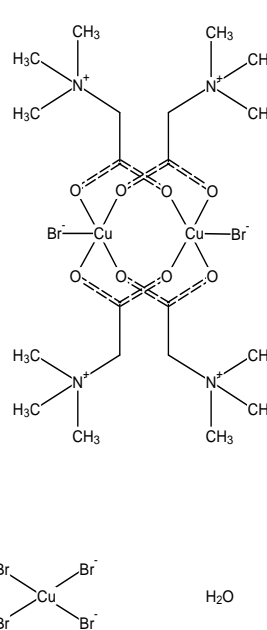
Reference: J.Schreuer, L.Wiehl, J.Biehler, P.Hofmann (2006) *Z.Kristallogr.-New Cryst.Struct.* **221**,529

Formula: $C_{20}H_{44}Br_2Cu_2N_4O_8^{2+} \cdot Br_4Cu_1^2 \cdot 2H_2O_1$

Compound Name: tetrakis(μ_2 -Betaine-O,O')-dibromo-di-copper(ii) tetrabromo-copper(ii) monohydrate

Space Group: P-1 **Cell:** a 11.681(0) b 13.285(1) c 14.719(1)
Space Group No.: 2 **(Å, °)** α 64.61(0) β 75.23(0) γ 74.82(0)

R-Factor (%): 2.95 **Temperature(K):** 293 **Density(g/cm³):** 1.955



Parameters

Fragment 1

DIST1 (D)	2.783
DIST2 (D)	2.563
DIST3 (D)	1.965
ANG1 (X)	0.000

Fragment 2

DIST1 (D)	2.820
DIST2 (D)	2.529
DIST3 (D)	1.981
ANG1 (X)	0.000

H₂O

Search: search5 (Sun Aug 20 15:58:38 2017): Hits 9-12

RERTUD

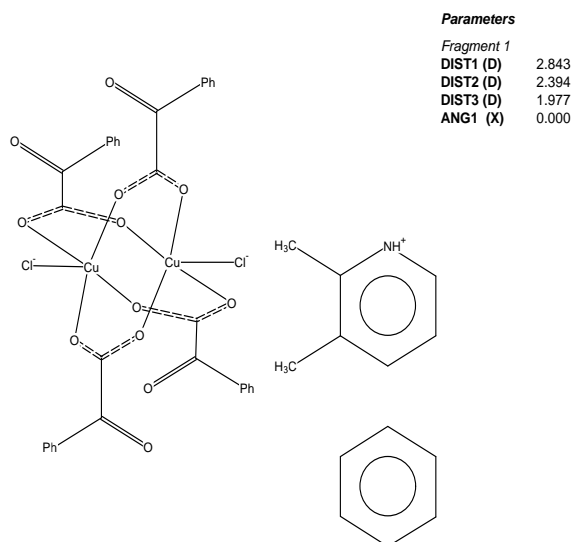
Reference: A.Harada, M.Tsuchimoto, S.Ohba, K.Iwasawa, T.Tokii (1997) *Acta Crystallogr., Sect.B:Struct.Sci.* ,53,654

Formula: C₃₂ H₂₀ Cl₂ Cu₂ O₁₂ 2⁻·2(C₇ H₁₀ N₁ 1⁺)·2(C₆ H₆)

Compound Name: bis(2,3-Dimethylpyridinium) tetrakis(μ₂-benzoylformato-O,O')-dichloro-di-copper(ii) benzene solvate

Space Group: P2₁/n **Cell:** a 14.332(1) b 10.855(1) c 17.719(1)
Space Group No.: 14 **(Å, °)** α 90.00 β 91.00(1) γ 90.00

R-Factor (%): 4.76 **Temperature(K):** 295 **Density(g/cm³):** 1.406



SAPDET

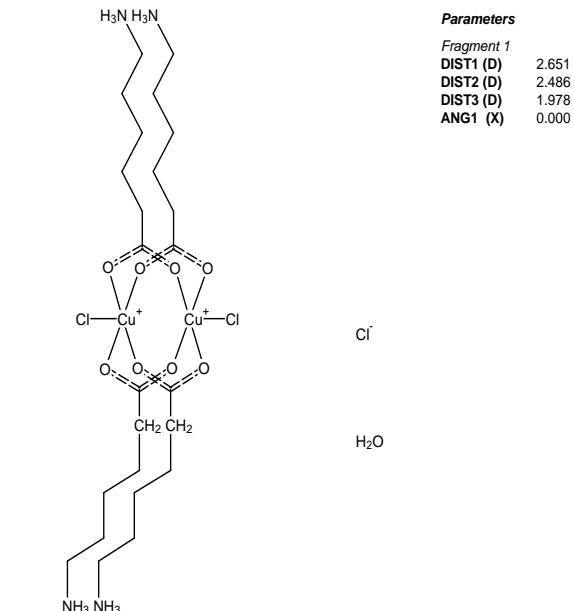
Reference: N.Lah, I.Leban (2005) *Acta Crystallogr., Sect.E:Struct.Rep.Online* ,61,m835

Formula: C₂₄ H₅₂ Cl₂ Cu₂ N₄ O₈ 2⁺·2(Cl₁ 1⁻)·4(H₂ O₁)

Compound Name: tetrakis(μ₂-6-Ammoniohexanoato-O,O')-bis(chloro-copper(ii)) dichloride tetrahydrate

Space Group: P2₁/n **Cell:** a 9.412(0) b 12.185(0) c 17.585(0)
Space Group No.: 14 **(Å, °)** α 90.00 β 105.44(0) γ 90.00

R-Factor (%): 3.60 **Temperature(K):** 150 **Density(g/cm³):** 1.479



SASVOY

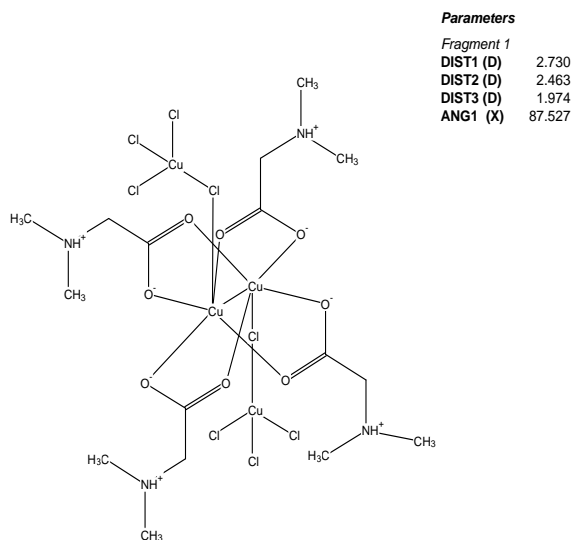
Reference: M.R.Silva, A.M.Beja, J.A.Paixao, J.Martin-Gil (2005) *Acta Crystallogr., Sect.C:Cryst.Struct.Commun.* ,61,m380

Formula: C₁₆ H₃₆ Cl₈ Cu₄ N₄ O₈

Compound Name: bis(μ₂-Chloro)-hexachloro-tetrakis(μ₂-dimethylglycine-O,O')-tetra-copper(ii)

Space Group: P2₁/c **Cell:** a 9.759(1) b 12.861(1) c 14.060(1)
Space Group No.: 14 **(Å, °)** α 90.00 β 99.20(3) γ 90.00

R-Factor (%): 2.35 **Temperature(K):** 293 **Density(g/cm³):** 1.812



WEXHOW

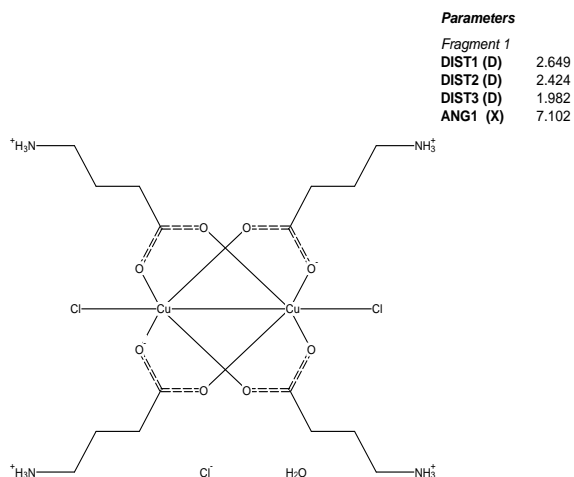
Reference: V.Kh.Sabirov, N.M.Kebets, M.A.Porai-Koshits, Yu.T.Struchkov (1994) *Koord.Khim.(Russ.)(Coord.Chem.)* ,20,466

Formula: C₁₆ H₃₆ Cl₂ Cu₂ N₄ O₈ 2⁺·2(Cl₁ 1⁻)·3(H₂ O₁)

Compound Name: tetrakis(μ₂-γ-Ammoniobutyrato-O,O')-dichloro-di-copper(ii) dichloride trihydrate

Space Group: P2₁ **Cell:** a 11.935(4) b 9.069(3) c 14.276(3)
Space Group No.: 4 **(Å, °)** α 90.00 β 101.37(2) γ 90.00

R-Factor (%): 4.70 **Temperature(K):** 295 **Density(g/cm³):** 1.612



Search: search5 (Sun Aug 20 15:58:38 2017): Hits 13-16

WUFMIU

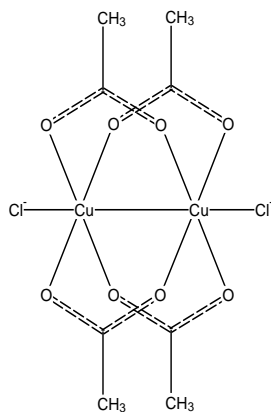
Reference: Rui-Bo Xu, Xing-You Xu, Ming-Yan Wang, Xu-Jie Yang, Xin Wang, Lu-De Lu, Wei-Xing Ma (2009) *Jiegou Huaxue(Chin. J.Chin. J.Struct.Chem.)*, **28**,703

Formula: $C_8 H_{12} Cl_2 Cu_2 O_8^{2-} \cdot 2(C_2 H_6 N_1 O_1^{1+})$

Compound Name: 1-Hydroxyethaniminium tetrakis(μ_2 -acetato-O,O')-dichloro-di-copper(ii)

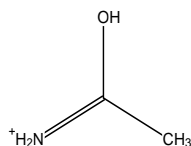
Space Group: P21/c **Cell:** a 8.298(1) b 14.358(2) c 12.001(0)
Space Group No.: 14 **(Å, °)** α 90.00 β 130.62(0) γ 90.00

R-Factor (%): 6.17 **Temperature(K):** 298 **Density(g/cm³):** 1.696



Parameters

Fragment 1
DIST1 (D) 2.654
DIST2 (D) 2.478
DIST3 (D) 1.972
ANG1 (X) 84.456



YITGOX

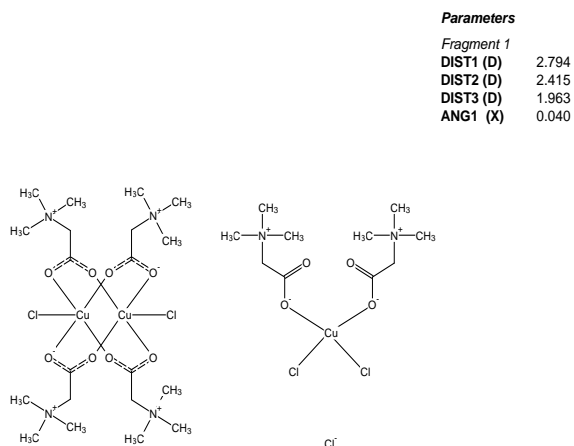
Reference: Xiao-Ming Chen, T.C.W.Mak (1993) *Struct.Chem.*, **4**,247

Formula: $C_{20} H_{44} Cl_2 Cu_2 N_4 O_8^{2+} \cdot C_{10} H_{22} Cl_2 Cu_1 N_2 O_4 \cdot 2(Cl_1^{1-})$

Compound Name: bis[bis(μ_2 -Betainato-O,O')-chloro-copper(ii)] bis(betainato-O)-dichloro-copper(ii) dichloride

Space Group: C2/c **Cell:** a 30.100 b 13.533 c 11.710
Space Group No.: 15 **(Å, °)** α 90.00 β 103.78 γ 90.00

R-Factor (%): 4.00 **Temperature(K):** 295 **Density(g/cm³):** 1.586



Parameters

Fragment 1
DIST1 (D) 2.794
DIST2 (D) 2.415
DIST3 (D) 1.963
ANG1 (X) 0.040

YITGUD

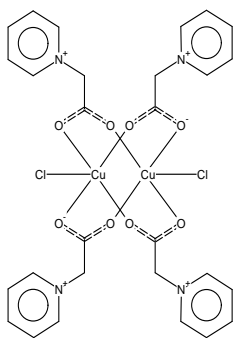
Reference: Xiao-Ming Chen, T.C.W.Mak (1993) *Struct.Chem.*, **4**,247

Formula: $3(C_{28} H_{28} Cl_2 Cu_2 N_4 O_8^{2+}) \cdot 2(Cl_4 Cu_1^{2-}) \cdot 2(Cl_1^{1-})$

Compound Name: tris(tetrakis(μ_2 -Pyridylbetainato-O,O')-dichloro-di-copper(ii)) bis(tetrachloro-copper(ii)) dichloride

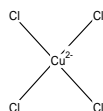
Space Group: P-3 **Cell:** a 22.842 b 22.842 c 6.999
Space Group No.: 147 **(Å, °)** α 90.00 β 90.00 γ 120.00

R-Factor (%): 6.80 **Temperature(K):** 295 **Density(g/cm³):** 1.429



Parameters

Fragment 1
DIST1 (D) 2.795
DIST2 (D) 2.435
DIST3 (D) 1.988
ANG1 (X) 0.020



Cl⁻

MATDOD

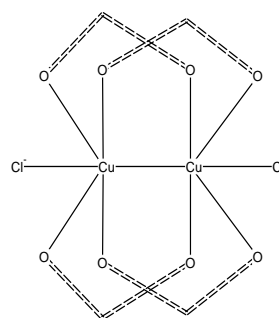
Reference: M.Trzebiatowska-Gusowska, A.Gagor (2017) *J.Coord.Chem.*,

Formula: $C_4 H_4 Cl_2 Cu_2 O_8^{2-} \cdot C_4 H_{14} N_2^{2+}$

Compound Name: butane-1,4-diaminium dichloro-tetrakis(μ -formato)-di-copper(ii)

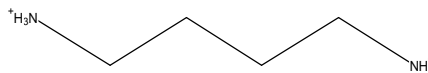
Space Group: P21/n **Cell:** a 7.192(0) b 11.604(0) c 9.995(0)
Space Group No.: 14 **(Å, °)** α 90.00 β 104.20(0) γ 90.00

R-Factor (%): 1.66 **Temperature(K):** 295 **Density(g/cm³):** 1.923



Parameters

Fragment 1
DIST1 (D) 2.691
DIST2 (D) 2.480
DIST3 (D) 1.975
ANG1 (X) 87.878



Search: search5 (Sun Aug 20 15:58:38 2017): Hit 17

MATDUJ

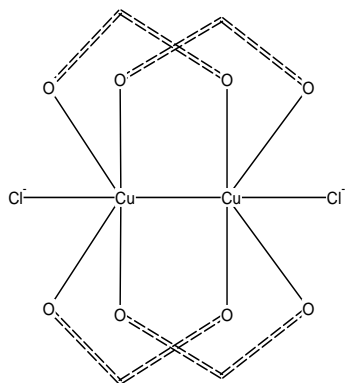
Reference: M.Trzebiatowska-Gusowska, A.Gagor (2017)
J.Coord.Chem. ,

Formula: $C_4 H_4 Cl_2 Cu_2 O_8^{2-} \cdot C_3 H_{12} N_2^{2+}$

Compound Name: propane-1,3-diaminium dichloro-tetrakis(μ -formato)-di-copper(ii)

Space Group: P21/n **Cell:** **a** 7.031(0) **b** 11.581(0) **c** 9.366(0)
Space Group No.: 14 (**\AA** ,^o) **α** 90.00 **β** 99.36(0) **γ** 90.00

R-Factor (%): 2.82 **Temperature(K)**: 295 **Density(g/cm³)**: 2.005



Parameters

Fragment 1
DIST1 (D) 2.688
DIST2 (D) 2.439
DIST3 (D) 1.965
ANG1 (X) 87.674

