Search Overview

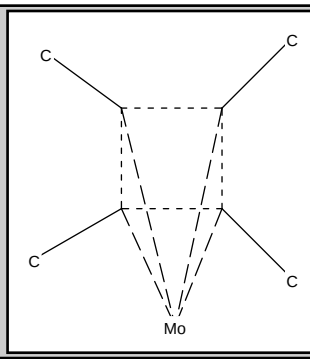
Search:	search1
Date/Time done:	Tue Feb 1 11:03:45 2005
Database(s):	CSD version 5.25 (November 2003)
Restriction Info:	No refcode restrictions applied
Filters:	Only Organometallic
Percentage Completed:	100%
Number of Hits:	10

Single query used. Search found structures that:

match

Query 1

Query 1



Search: search1 (Tue Feb 1 11:03:45 2005): Hits 1-4

COXVIU

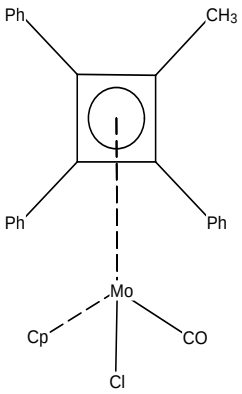
Reference: R.P.Hughes, J.W.Reisch, A.L.Rheingold (1984) *Organometallics* ,**3,**1761

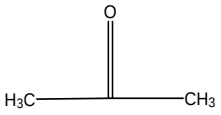
Formula: $C_{29}\,H_{23}\,Cl_1\,Mo_1\,O_1,C_3\,H_6\,O_1$

Compound Name: Carbonyl-chloro-(η5-cyclopentadienyl)-(η4-1-methyl-2,3,4-trimethyl-cyclobutadiene)-molybdenum acetone solvate

Space Group:	P-1	***Cell:***	***a***	11.041(3)	***b***	14.556(4)	***c***	16.969(5)
Space Group No.:	2	***(Å,°)***	α	103.29(2)	β	92.73(2)	γ	107.64(2)

R-Factor (%): 5.23 ***Temperature(K):*** 295 ***Density(g/cm3):*** 1.527





GICGUU

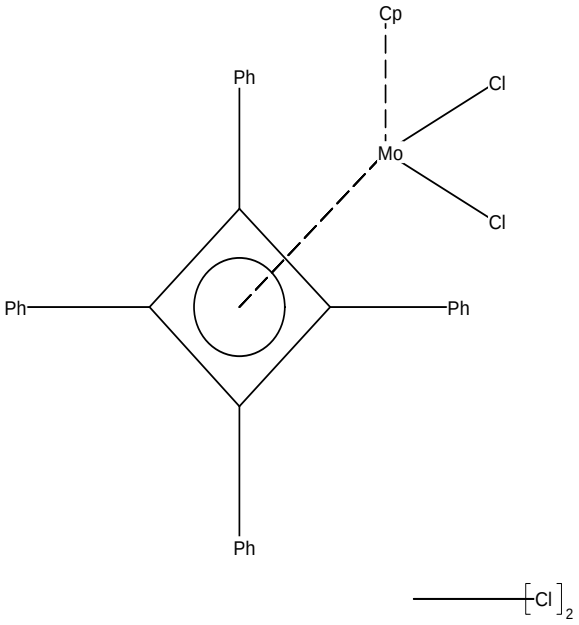
Reference: W.Hirpo, M.D.Curtis (1988) *J.Am.Chem.Soc.* ,**110,**5218

Formula: $C_{33}\,H_{25}\,Cl_2\,Mo_1,C_1\,H_2\,Cl_2$

Compound Name: (η4-Tetraphenylcyclobutadiene)-(η5-cyclopentadienyl)-dichloro-molybdenum dichloromethane solvate

Space Group:	Pbca	***Cell:***	***a***	27.118(39)	***b***	11.420(12)	***c***	19.322(15)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 5.70 ***Temperature(K):*** 295 ***Density(g/cm3):*** 1.495



GICGUU10

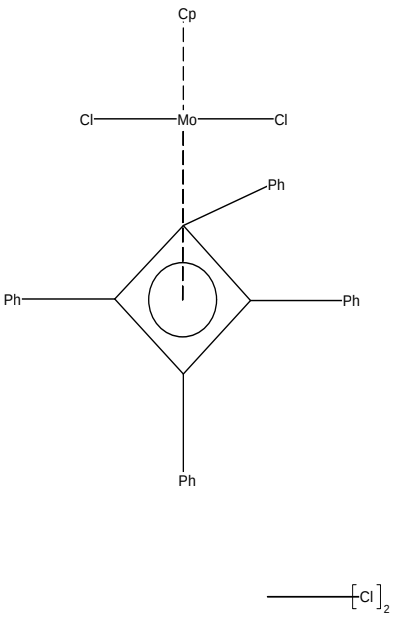
Reference: O.J.Curnow, W.Hirpo, W.M.Butler, M.D.Curtis (1993) *Organometallics* ,**12,**4479

Formula: $C_{33}\,H_{25}\,Cl_2\,Mo_1,C_1\,H_2\,Cl_2$

Compound Name: (η5-Cyclopentadienyl)-(η4-tetraphenylcyclobutadiene)-dichloro-molybdenum dichloromethane solvate

Space Group:	Pbca	***Cell:***	***a***	27.118(39)	***b***	11.420(12)	***c***	19.322(15)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 5.70 ***Temperature(K):*** 295 ***Density(g/cm3):*** 1.495



GIQTIJ

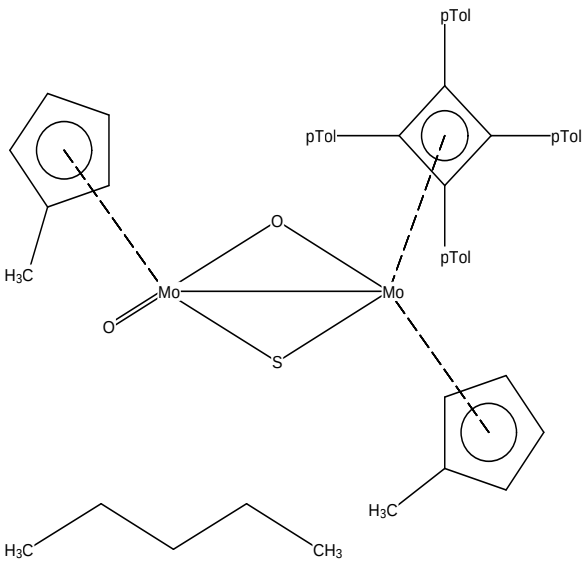
Reference: H.Adams, L.J.Gill, M.J.Morris (1998) *J.Chem.Soc.,Dalton Trans.* ,2451

Formula: $C_{44}\,H_{42}\,Mo_2\,O_2\,S_1,0.5(C_5\,H_{12})$

Compound Name: (μ2-Oxo)-(μ2-sulfido)-(η4-tetra-p-tolylcyclobutadiene)-bis(η5-methyl-cyclopentadienyl)-oxo-di-molybdenum n-pentane solvate

Space Group:	P-1	***Cell:***	***a***	10.955(3)	***b***	11.906(2)	***c***	16.280(2)
Space Group No.:	2	***(Å,°)***	α	85.66(1)	β	80.06(2)	γ	77.42(2)

R-Factor (%): 6.34 ***Temperature(K):*** 295 ***Density(g/cm3):*** 1.405



Search: search1 (Tue Feb 1 11:03:45 2005): Hits 5-8

LUJZOF

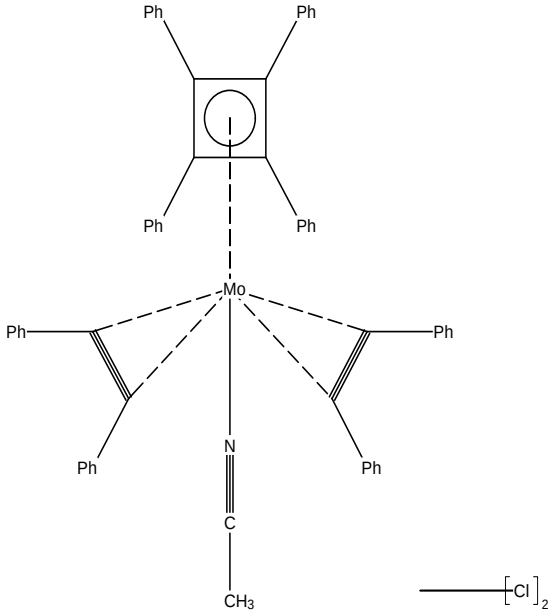
Reference: Su-Chin Chang, Wen-Yann Yeh, Gene-Hsiang Lee, Shie-Ming Peng (2002) *J.Chin.Chem.Soc.(Taipei)* ,**49,**325

Formula: $C_{58}H_{43}Mo_1N_1,C_1H_2Cl_2$

Compound Name: (η^4-1,2,3,4-Tetraphenylcyclobutadiene)-bis(η^2-1,2-diphenylacetylene)-(acetonitrile)-molybdenum dichloromethane solvate

Space Group:	P-1	***Cell:***	***a***	12.345(0)	***b***	12.880(0)	***c***	16.472(0)
Space Group No.:	2	***(Å,°)***	α	76.67(0)	β	84.32(0)	γ	75.17(0)

R-Factor (%): 6.53 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.261



LUJZUL

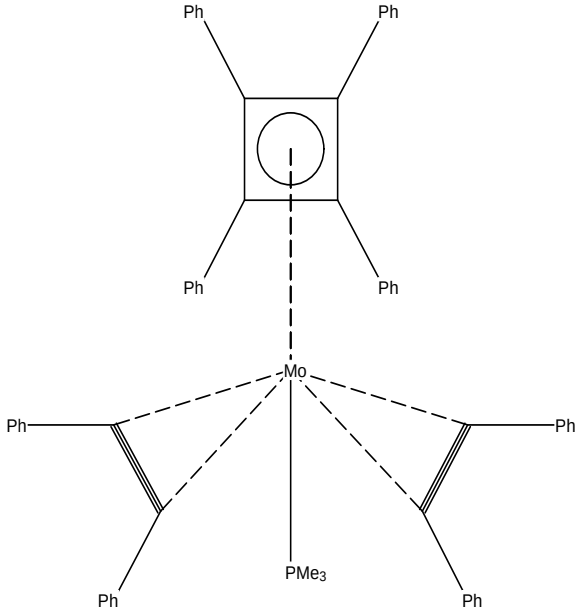
Reference: Su-Chin Chang, Wen-Yann Yeh, Gene-Hsiang Lee, Shie-Ming Peng (2002) *J.Chin.Chem.Soc.(Taipei)* ,**49,**325

Formula: $C_{59}H_{49}Mo_1P_1$

Compound Name: (η^4-1,2,3,4-Tetraphenylcyclobutadiene)-bis(η^2-1,2-diphenylacetylene)-(trimethylphosphine)-molybdenum

Space Group:	Pbca	***Cell:***	***a***	18.361(0)	***b***	18.696(0)	***c***	26.265(0)
Space Group No.:	61	***(Å,°)***	α	90.00	β	90.00	γ	90.00

R-Factor (%): 3.12 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.304



LUKBAU

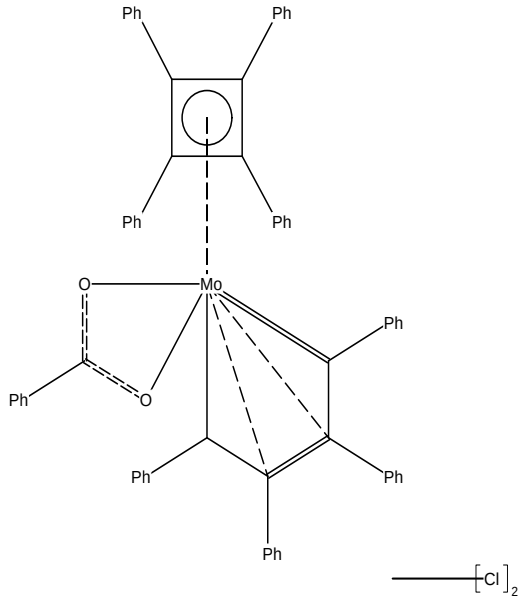
Reference: Su-Chin Chang, Wen-Yann Yeh, Gene-Hsiang Lee, Shie-Ming Peng (2002) *J.Chin.Chem.Soc.(Taipei)* ,**49,**325

Formula: $C_{63}H_{46}Mo_1O_2,C_1H_2Cl_2$

Compound Name: (η^4-1,2,3,4-Tetraphenylcyclobutadiene)-(benzoato-O,O')-(η^2-1,2,3,4-tetraphenylbut-2-en-1-yliden-4-yl)-molybdenum dichloromethane solvate

Space Group:	P-1	***Cell:***	***a***	12.454(0)	***b***	13.442(0)	***c***	16.493(0)
Space Group No.:	2	***(Å,°)***	α	84.65(0)	β	69.79(0)	γ	73.09(0)

R-Factor (%): 4.02 ***Temperature(K):*** 150 ***Density(g/cm³):*** 1.361



PABPMO

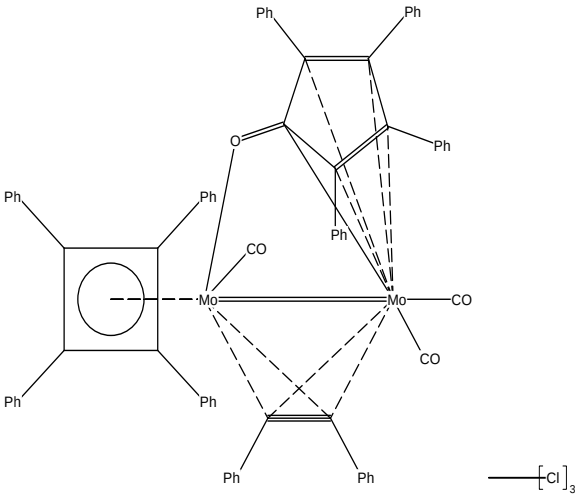
Reference: J.A.Potenza, R.J.Johnson, R.Chirico, A.Efraty (1977) *Inorg.Chem.* ,**16,**2354

Formula: $C_{74}H_{50}Mo_2O_4.0.4(C_1H_1Cl_3)$

Compound Name: (Carbonyl-(η^4-tetraphenylcyclobutadiene)molybdenum)-(μ_2-diphenylacetylene)-(dicarbonyl-(η^4-tetraphenylcyclopentadienone)-molybdenum) chloroform solvate

Space Group:	P21/a	***Cell:***	***a***	23.960(20)	***b***	22.140(30)	***c***	12.490(20)
Space Group No.:	14	***(Å,°)***	α	90.00	β	110.24(1)	γ	90.00

R-Factor (%): 11.10 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.328



Search: search1 (Tue Feb 1 11:03:45 2005): Hits 9-10

PCBMOC10

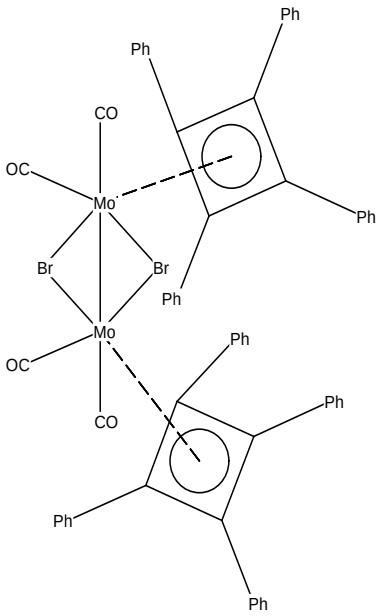
Reference: M.Mathew, G.J.Palenik (1973) *J.Organomet.Chem.* ,**61,** 301

Formula: $C_{60}\,H_{40}\,Br_2\,Mo_2\,O_4$

Compound Name: Di-μ_2-bromo-bis(π-tetraphenylcyclobutadiene)-tetracarbonyl-di-molybdenum

Space Group:	P-1	***Cell:***	***a*** 11.306(4)	***b*** 13.681(4)	***c*** 17.561(4)
Space Group No.:	2	***(Å,°)***	α 105.58(1)	β 91.14(2)	γ 108.50(5)

R-Factor (%): 5.60 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.585



TPCBMO

Reference: A.Efraty, J.A.Potenza, L.Zyontz, J.Daily, M.H.A.Huang, B.Toby (1978) *J.Organomet.Chem.* ,**145,**315

Formula: $C_{58}\,H_{40}\,Mo_1\,O_2$

Compound Name: Dicarbonyl-bis(tetraphenylcyclobutadiene) molybdenum

Space Group:	P21/n	***Cell:***	***a*** 20.150(20)	***b*** 18.820(30)	***c*** 11.030(10)
Space Group No.:	14	***(Å,°)***	α 90.00	β 91.59(6)	γ 90.00

R-Factor (%): 4.10 ***Temperature(K):*** 295 ***Density(g/cm³):*** 1.374