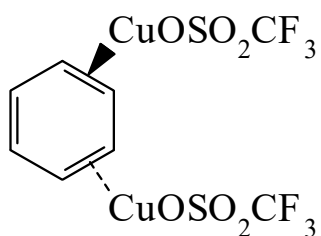




>>Entry Name: $[\mu\text{-(1,2-}\eta\text{:3,4-}\eta\text{)-Benzene}] \text{bis(trifluoromethanesulfonato-}O\text{)dicopper, 9Cl}$



CAS Registry Number: 37234-97-2

Related CAS Registry Numbers(s): 41086-36-6

Molecular Formula: $\text{C}_8\text{H}_6\text{Cu}_2\text{F}_6\text{O}_6\text{S}_2$

Molecular Weight: 503.346

Accurate Mass: 501.830194

Percentage Composition: C 19.09%; H 1.20%; Cu 25.25%; F 22.65%; O 19.07%; S 12.74%

Use/Importance: Starting material for other Cu-olefin complexes; reagent for org. synth.

Physical Description: Air-sensitive white cryst., turning red-brown in air

Solubility: Sol. C_6H_6

Other Data: Weakly bound C_6H_6 readily displaced, dec. with quantitative release of C_6H_6 above 120°

References:

- Salomon, R.G. *et al.*, *J.A.C.S.*, 1973, **95**, 1889; 3300, (*synth, use*)
Dines, M.B. *et al.*, *Chem. Comm.*, 1973, 12, (*cryst struct, props*)
Hefner, J.G. *et al.*, *J. Organomet. Chem.*, 1984, **260**, 369, (*use*)
Kozikowski, A.P. *et al.*, *Tetrahedron*, 1985, **41**, 4821, (*synth, use*)
Ferrara, J.D. *et al.*, *Organometallics*, 1987, **6**, 676, (*use*)
Ferrara, J.D. *et al.*, *Inorg. Chem.*, 1988, **27**, 2201, (*use*)
Stamp, L. *et al.*, *Inorg. Chim. Acta*, 1988, **147**, 199, (*use*)