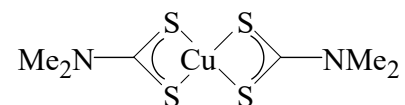




>>Entry Name: Bis(dimethylcarbamodithioato-*S,S'*)copper, 9CI

Synonym(s): Copper bis(dimethyldithiocarbamate)



CAS Registry Number: 137-29-1

Extra CAS Registry Numbers(s): 54469-32-8

Molecular Formula: C₆H₁₂CuN₂S₄

Molecular Weight: 303.984

Accurate Mass: 302.927926

Percentage Composition: C 23.71%; H 3.98%; Cu 20.90%; N 9.22%; S 42.19%

General Statement: In the cryst., Cu is octahedrally coord. to 6 S atoms, pseudo-square planar in the gas-phase

Source/Synthesis: Synth. from CuCl₂ + Me₂NCS₂Na

Physical Description: Brown cryst.

Melting Point: Mp 265° (dec.)

References:

Ojima, I. *et al.*, *Inorg. Nucl. Chem. Lett.*, 1970, **6**, 65-69, (*synth*)

Einstein, F.W.B. *et al.*, *Acta Cryst. B*, 1974, **30**, 2928-2930, (*cryst struct*)

Oktavec, D. *et al.*, *Coll. Czech. Chem. Comm.*, 1980, **45**, 1495-1501; 1982, **47**, 2867-2875, (*synth, ir, uv*)

Geloso, C. *et al.*, *Can. J. Chem.*, 1987, **65**, 928-932, (*synth*)

Hagen, K. *et al.*, *Inorg. Chem.*, 1989, **28**, 3239-3242, (*synth, gas-phase struct*)