



>>Entry Name: Dichlorobis(η^5 -2,4-cyclopentadien-1-yl)tungsten, 10Cl

CAS Registry Number: 12184-26-8

As Dibromobis(η^5 -2,4-cyclopentadien-1-yl)tungsten, [GHP40-R](#) with
X = Cl

Molecular Formula: C₁₀H₁₀Cl₂W

Molecular Weight: 384.944

Accurate Mass: 383.966882

Percentage Composition: C 31.20%; H 2.62%; Cl 18.42%; W 47.76%

General Statement: Oxidisable to paramagnetic cation; isol. as [HCl₂]⁽⁻⁾ salt

Source/Synthesis: Synth. from WCp₂H₂ + CHCl₃ or CCl₄

Physical Description: Green cryst.

Other Data: Dec. at 250°. Hydrol. by NaOH to Cp₂W=O

References:

Cooper, R.L. *et al.*, *J.C.S.(A)*, 1967, 1155, (*synth, ir*)

Green, M.L.H. *et al.*, *J.C.S. Dalton*, 1972, 1445, (*reactions*)

Strelets, V.V. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1985, 1484; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1985, 1357, (*electrochem*)