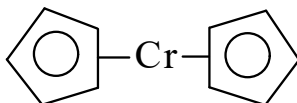




>>Entry Name: Chromocene, 12Cl, 9Cl

Synonym(s): Di- π -cyclopentadienylchromium, 8Cl. Bis(cyclopentadienyl)chromium



CAS Registry Number: 1271-24-5

Molecular Formula: C₁₀H₁₀Cr

Molecular Weight: 182.185

Accurate Mass: 182.018759

Percentage Composition: C 65.93%; H 5.53%; Cr 28.54%

Source/Synthesis: Synth. from CrCl₂.THF + NaCp

Use/Importance: Polym. catalyst

Physical Description: V. air-sensitive red needles

Melting Point: Mp 173°

Solubility: Sol. THF

Other Data: Paramagnetic

Aldrich: 38100-4

References:

Weiss, E. *et al.*, *Z. Anorg. Allg. Chem.*, 1956, **284**, 69, (*cryst struct*)

Fritz, H.P., *Chem. Ber.*, 1959, **92**, 780, (*ir*)

Koehler, F.H., *J. Organomet. Chem.*, 1976, **110**, 235, (*synth, cmr, pmr*)

Müller, J. *et al.*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **47**, 523, (*ms*)

Desai, V.P. *et al.*, *J. Chem. Phys.*, 1983, **78**, 6299, (*magnetism*)

Kalousova, J. *et al.*, *Z. Chem.*, 1983, **23**, 327, (*rev reactions*)

Organomet. Synth., 1988, **4**, 52, (*synth, pmr*)

Hebendanz, N. *et al.*, *Magn. Reson. Chem.*, 1989, **27**, 798, (*pmr*)

Ketkov, S.Yu. *et al.*, *Metalloorg. Khim.*, 1990, **3**, 59, (*uv*)

Flower, K.R. *et al.*, *J. Organomet. Chem.*, 1996, **507**, 275, (*cryst struct*)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1997, **8**, 5-6, (*synth*)

Henriques, R.T. *et al.*, *J.C.S. Dalton*, 1998, 1293-1297, (*synth*)