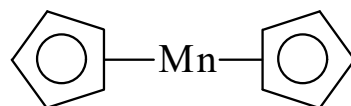




>>Entry Name: Manganocene, 9Cl

Synonym(s): Di- π -Cyclopentadienylmanganese, 8Cl. Biscyclopentadienylmanganese



CAS Registry Number: 1271-27-8

Related CAS Registry Numbers(s): 73138-26-8

Molecular Formula: $C_{10}H_{10}Mn$

Molecular Weight: 185.127

Accurate Mass: 185.016297

Percentage Composition: C 64.88%; H 5.44%; Mn 29.68%

Source/Synthesis: Synth. from NaCp and $MnBr_2$ or from Cp_2Mg and $MnCl_2$

Physical Description: Amber-brown cryst. becoming pinkish white at 159-160°

Melting Point: Mp 173°

Boiling Point: Subl. 100-130° *in vacuo*

Solubility: Sol. Py, THF, mod. sol. C_6H_6

Other Data: Stable to 350°

Hazard & Toxicity: Inflames explosively in air when finely divided

References:

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Bünder, W. *et al.*, *Z. Naturforsch., B*, 1978, **33**, 1235, (*cryst struct*)

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