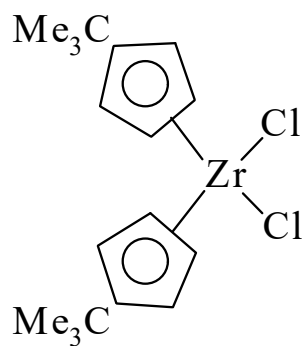




>>Entry Name: Bis(η^5 -*tert*-butylcyclopentadienyl)dichlorozirconium

Synonym(s): Dichlorobis[(1,2,3,4,5- η)-(1,1-dimethylethyl)-2,4-cyclopentadien-1-yl]zirconium, 12Cl



CAS Registry Number: 32876-92-9

Molecular Formula: C₁₈H₂₆Cl₂Zr

Molecular Weight: 404.533

Accurate Mass: 402.045857

Percentage Composition: C 53.44%; H 6.48%; Cl 17.53%; Zr 22.55%

Source/Synthesis: Synth. from ZrCl₄ and C₅H₄Bu^tLi in hexane; or from dimethylfulvene with (i) MeLi and (ii) ZrCl₄

Physical Description: Colourless cryst. (CH₂Cl₂/hexane)

Melting Point: Mp 187-188°

References:

Lappert, M.F. *et al.*, *J.C.S. Dalton*, 1981, 805, (*synth, ir, nmr*)

Howie, R.A. *et al.*, *J. Organomet. Chem.*, 1986, **303**, 213, (*synth, cryst struct*)

Benn, R. *et al.*, *Organometallics*, 1990, **9**, 2493, (*solid state cmr*)

Andrianov, Yu.A. *et al.*, *Metalloorg. Khim.*, 1991, **4**, 107, (*ms*)