



>>Entry Name: Di-*tert*-butyldichlorostannane

Synonym(s): Dichlorobis(1,1-dimethylethyl)stannane, 9Cl. Di-*tert*-butyltin dichloride

CAS Registry Number: 19429-30-2

(Me₃C)₂SnCl₂

Molecular Formula: C₈H₁₈Cl₂Sn

Molecular Weight: 303.846

Accurate Mass: 301.980754

Percentage Composition: C 31.62%; H 5.97%; Cl 23.34%; Sn 39.07%

Source/Synthesis: Synth. from Bu^tMgCl and SnCl₄

Physical Description: Clear oil which solidifies readily

Melting Point: Mp 42-43°

Boiling Point: Bp₃ 66°

Aldrich: 27800-9

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1686B, (*ir*)

Krause, E. *et al.*, *Ber.*, 1930, **63**, 381, (*synth*)

Farrar, W.V. *et al.*, *J. Organomet. Chem.*, 1964, **1**, 434

Kandil, S.A. *et al.*, *J.C.S.(A)*, 1970, 2987, (*synth*)

Grynkewich, G.W. *et al.*, *Inorg. Chem.*, 1973, **12**, 2522, (*Mössbauer*)

Yoder, C.H. *et al.*, *Organometallics*, 1987, **6**, 1679, (*reactions*)

Dakternieks, D. *et al.*, *Main Group Met. Chem.*, 1994, **17**, 471-480, (*cryst struct*)

Synthetic Methods of Organometallic and Inorganic Chemistry, (ed. Hermann, W.A.), Thieme, 1996, **2**, 282-286, (*synth, pmr, Sn-119 nmr*)