



>>Entry Name: Tetraisopropyltin

Synonym(s): Tetrakis(1-methylethyl)stannane, 9CI

CAS Registry Number: 2949-42-0

$\text{Sn}[\text{CH}(\text{CH}_3)_2]_4$

Molecular Formula: $\text{C}_{12}\text{H}_{28}\text{Sn}$

Molecular Weight: 291.063

Accurate Mass: 290.1213

Percentage Composition: C 49.52%; H 9.70%; Sn 40.78%

Source/Synthesis: Synth. from SnCl_4 + Pr^iMgCl

Physical Description: Liq.

Boiling Point: Bp_4 89°

Density: d^{20} 1.12

Hazard & Toxicity: $\text{LD}_{50}(\text{mus, ivn})$ 56mg/kg

Other: Gelest SNT7280

References:

Fernand, C. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1955, **240**, 1732-1734, (*synth*)

Boue, S. *et al.*, *Bull. Soc. Chim. Belg.*, 1968, **77**, 43-58, (*ms*)

Hunter, B.K. *et al.*, *Can. J. Chem.*, 1968, **46**, 1399-1414, (*Sn -119 nmr*)

Mitchell, T.N. *et al.*, *J. Organomet. Chem.*, 1976, **121**, 177-184, (*cmr*)