



>>Entry Name: Chlorotripropylstannane

Synonym(s): Tripropyltin chloride

CAS Registry Number: 2279-76-7

$(\text{H}_3\text{CCH}_2\text{CH}_2)_3\text{SnCl}$

Molecular Formula: $\text{C}_9\text{H}_{21}\text{ClSn}$

Molecular Weight: 283.428

Accurate Mass: 282.035377

Percentage Composition: C 38.14%; H 7.47%; Cl 12.51%; Sn 41.88%

Source/Synthesis: Synth. from Hexapropyldistannoxane [GGZ07-D](#) + NH_4Cl in refluxing methylcyclohexane for 12h

Physical Description: Colourless liq.

Melting Point: Mp -23.5°

Boiling Point: Bp₄ 98-100°

Solubility: Sol. common org. solvs.

Density: d_4^{20} 1.274

Refractive Index: n_D^{20} 1.4965

References:

Pande, K.C., *J. Organomet. Chem.*, 1968, **13**, 187-194, (*synth*)

Gmelin Handbook Inorg. Chem., Syst. No. 46, 1978, **5**, 110-116, (*rev, props*)

Dahm, R.H. *et al.*, *Appl. Organomet. Chem.*, 1995, **9**, 141-148, (*ms*)

Capelli, R. *et al.*, *Fresenius' Z. Anal. Chem.*, 1995, **351**, 471-477, (*gc*)