>>**Entry Name: Tripropylsilane,** 9Cl

CAS Registry Number: 998-29-8

$(H_3CCH_2CH_2)_3SiH$

Molecular Formula: $C_9H_{22}Si$
Molecular Weight: 158.358
Accurate Mass: 158.149077
Percentage Composition: C 68.26%; H 14.00%; Si 17.74%
Source/Synthesis: Synth. from PrMgCl + $HSiCl_3$
Use/Importance: Undergoes Ni complex catalysed hydrosilylation and telomerisation of dienes and H_2PtCl_6 catalysed hydrosilylation of alkynes
Physical Description: Liq.
Boiling Point: Bp 170°
Density: d_4^{20} 0.77
Refractive Index: n_D^{20} 1.4308

Aldrich: 27756-8
Fluka: 93270

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **3**, 630C, *(nmr)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1623A, *(ir)*
Price, F.P., *J.A.C.S.*, 1947, **69**, 2600, *(synth)*
Newton, W.E. *et al.*, *Inorg. Chim. Acta*, 1970, **4**, 133, *(pmr)*
Kakhniashvili, A.H. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1970, **40**, 1542, *(use, hydrosilylation of alkynes)*
Calas, R. *et al.*, *J. Organomet. Chem.*, 1970, **22**, 561, *(synth)*
Yur'ev, V.P. *et al.*, *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1975, **24**, 1772, *(use, hydrosilylation of dienes, telomerisation)*
Harris, R.K. *et al.*, *Adv. Mol. Relax. Processes*, 1976, **8**, 15, *(nmr)*
Reich, P. *et al.*, *Acta Phys. Pol. A*, 1980, **58**, 665, *(ir, Raman)*
Hottmann, K. *et al.*, *J. Prakt. Chem.*, 1981, **323**, 399, *(ms)*