>>**Entry Name: Tris(trimethylsilyl)methane**
Synonym(s): Methylidynetris[trimethylsilane], 9CI. 2,2,4,4-Tetramethyl-3-(trimethylsilyl)-2,4-disilapentane, 8CI

CAS Registry Number: 1068-69-5

$(Me_3Si)_3CH$

Molecular Formula: $C_{10}H_{28}Si_3$
Molecular Weight: 232.588
Accurate Mass: 232.149881
Percentage Composition: C 51.64%; H 12.13%; Si 36.23%
Source/Synthesis: Synth. from $CHCl_3$, Me_3SiCl and Mg in THF
Use/Importance: Commercially available. Used as a ligand, normally attached to metals and metalloids, in org. synth. Anion reacts with ketones → alkenes
Physical Description: Liq.
Boiling Point: Bp 219°. $Bp_{13.5}$ 93-95°. Bp_2 80°
Density: d_4^{20} 0.836083
Refractive Index: n_D^{20} 1.4657

Aldrich: 30260-0
Fluka: 93399

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1627A, *(ir)*
Müller, R. *et al.*, *Chem. Ber.*, 1958, **91**, 22, *(synth)*
Merker, R.L. *et al.*, *J. Organomet. Chem.*, 1965, **4**, 98, *(synth, pmr)*
Weber, W.P. *et al.*, *J. Chem. Phys.*, 1970, **74**, 3960, *(ir, pmr)*
Dimmel, D.R. *et al.*, *J.O.C.*, 1972, **37**, 2662; 2665, *(ir, pmr, ms)*
Sakurai, H. *et al.*, *Tet. Lett.*, 1973, 4193, *(use)*
Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1975, **5**, 618, *(use)*
Wrackmeyer, B. *et al.*, *Z. Naturforsch., B*, 1979, **34**, 1270, *(cmr)*
Beagley, B. *et al.*, *Chem. Comm.*, 1981, 710, *(struct)*
Aiube, Z.H. *et al.*, *J. Organomet. Chem.*, 1984, **269**, 217, *(use)*