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>>Entry Name: (Difluoromethyl)trimethylsilane

CAS Registry Number: 65864-64-4

$\text{Me}_3\text{SiCF}_2\text{H}$

Molecular Formula:  $\text{C}_4\text{H}_{10}\text{F}_2\text{Si}$

Molecular Weight: 124.205

Accurate Mass: 124.051983

Percentage Composition: C 38.68%; H 8.11%; F 30.59%; Si 22.61%

Source/Synthesis: Synth. by  $\text{Bu}_3\text{SnH}$  redn. of (Bromodifluoromethyl)trimethylsilane [LNT42-G](#) or (Chlorodifluoromethyl)trimethylsilane [LNT43-H](#)

Melting Point: Mp  $-54^\circ$

Boiling Point: Bp  $51-53^\circ$

References:

Liu, E.K.S. *et al.*, *J. Organomet. Chem.*, 1978, **145**, 167, (*synth, F-19 nmr, pmr*)

Brioche, V. *et al.*, *J. Organomet. Chem.*, 1990, **381**, 315, (*synth, F-19 nmr, Si-29 nmr, pmr, cmr*)