



>>Entry Name: Octylsilane, 10CI

CAS Registry Number: 871-92-1

$\text{H}_3\text{C}(\text{CH}_2)_7\text{SiH}_3$

Molecular Formula: $\text{C}_8\text{H}_{20}\text{Si}$

Molecular Weight: 144.332

Accurate Mass: 144.133427

Percentage Composition: C 66.57%; H 13.97%; Si 19.46%

Source/Synthesis: Synth. from $\text{H}_3\text{C}(\text{CH}_2)_7\text{SiCl}_3 + \text{LiAlH}_4$

Boiling Point: Bp_{20} 61°

Density: d^{20} 0.75

Refractive Index: n_D^{20} 1.4253

References:

Westermarck, H., *Acta Chem. Scand.*, 1955, **9**, 947-954, (*synth, ir*)

Mueller, R. *et al.*, *Z. Anorg. Allg. Chem.*, 1964, **332**, 81-94, (*synth*)