



>>Entry Name: Trimethoxyoctadecylsilane, 9CI

Synonym(s): Trimethoxystearylsilane

CAS Registry Number: 3069-42-9

$\text{H}_3\text{C}(\text{CH}_2)_{17}\text{Si}(\text{OMe})_3$

Molecular Formula: $\text{C}_{21}\text{H}_{46}\text{O}_3\text{Si}$

Molecular Weight: 374.678

Accurate Mass: 374.321622

Percentage Composition: C 67.32%; H 12.37%; O 12.81%; Si 7.50%

Physical Description: Cryst.

Melting Point: Mp 20-26° (16-17°)

Boiling Point: Bp_{0.1} 170°

Density: d₄²⁰ 0.88

Refractive Index: n_D²⁰ 1.4390

References:

Kirk-Othmer Encycl. Chem. Technol., 3rd edn., Wiley, 1978, **20**, 912-921, (*synth*)

Marciniak, B. *et al.*, *Appl. Organomet. Chem.*, 1990, **4**, 27-34, (*synth*)