



>>Entry Name: Dodecyltriethoxysilane, 9CI

CAS Registry Number: 18536-91-9

$\text{H}_3\text{C}(\text{CH}_2)_{11}\text{Si}(\text{OEt})_3$

Molecular Formula: $\text{C}_{18}\text{H}_{40}\text{O}_3\text{Si}$

Molecular Weight: 332.598

Accurate Mass: 332.274672

Percentage Composition: C 65.00%; H 12.12%; O 14.43%; Si 8.44%

Source/Synthesis: Synth. from $\text{H}_3\text{C}(\text{CH}_2)_{11}\text{MgBr}$ + $\text{Si}(\text{OEt})_4$

Boiling Point: $\text{Bp}_{0.7}$ 127-129°

Density: d^{25} 0.88

Refractive Index: n_D^{25} 1.4330

References:

Szmant, H.H. *et al.*, *J.O.C.*, 1962, **27**, 261-265, (*synth*)