



>>Entry Name: Tetrakis(2-ethoxyethoxy)silane

Synonym(s): Tetrakis(2-ethoxyethyl) orthosilicate

CAS Registry Number: 18407-94-8

$\text{Si}(\text{OCH}_2\text{CH}_2\text{OEt})_4$

Molecular Formula: $\text{C}_{16}\text{H}_{36}\text{O}_8\text{Si}$

Molecular Weight: 384.541

Accurate Mass: 384.217947

Percentage Composition: C 49.98%; H 9.44%; O 33.29%; Si 7.30%

Source/Synthesis: Synth. from $\text{EtOCH}_2\text{CH}_2\text{OH}$ + $\text{Si}(\text{OEt})_4$

Boiling Point: Bp_{740} 312°. Bp_9 200°

Density: d_4^{25} 1.01

Refractive Index: $n_D^{20.5}$ 1.4226

References:

Abrahamson, E.W. *et al.*, *J.O.C.*, 1948, **13**, 275-279, (*synth*)