



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

Synonym(s): Tetrakis(allyloxy)silane. Tetraallyl orthosilicate. Tetra-2-propenyl orthosilicate

CAS Registry Number: 1067-43-2

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

Molecular Formula: $\text{C}_{12}\text{H}_{20}\text{O}_4\text{Si}$

Molecular Weight: 256.373

Accurate Mass: 256.113087

Percentage Composition: C 56.22%; H 7.86%; O 24.96%; Si 10.95%

Source/Synthesis: Synth. from $\text{SiCl}_2 + \text{H}_2\text{C}=\text{CHCH}_2\text{OH}$

Boiling Point: Bp_{13} 115-116°

Density: d_4^{17} 0.98

Refractive Index: n_D^{17} 1.4347

References:

Helferich, B. *et al.*, *Ber., B.*, 1929, **57**, 795-799, (*synth*)

Pespard, D.F. *et al.*, *J.A.C.S.*, 1946, **68**, 73-75, (*synth*)

Liepins, E. *et al.*, *J. Organomet. Chem.*, 1986, **306**, 167-182, (*cmr, O-17 nmr, Si-29 nmr*)