



>>Entry Name: 1,1,3,3-Tetraethenyl-1,3-dimethyldisiloxane, 10CI

Synonym(s): 1,3-Dimethyl-1,1,3,3-tetravinylidisiloxane

CAS Registry Number: 16045-78-6

$(\text{H}_2\text{C}=\text{CH})_2\text{SiMeOSiMe}(\text{CH}=\text{CH}_2)_2$

Molecular Formula: $\text{C}_{10}\text{H}_{18}\text{OSi}_2$

Molecular Weight: 210.423

Accurate Mass: 210.089619

Percentage Composition: C 57.08%; H 8.62%; O 7.60%; Si 26.69%

Source/Synthesis: Synth. by Grignard reaction of $(\text{H}_2\text{C}=\text{CHSiMeCl})_2\text{O}$ with $\text{H}_2\text{C}=\text{CHMgCl}$

Physical Description: Liq.

Boiling Point: Bp_{15} 65-69°

Density: d_4^{20} 0.85

Refractive Index: n_D^{20} 1.4415

References:

Fr. Pat., 1966, 1 445 497; *CA*, **66**, 105363m, (*synth*)

Polivanov, A.N. *et al.*, *Zh. Obshch. Khim.*, 1980, **50**, 614-617; *CA*, **93**, 167062d, (*ms*)