



>>Entry Name: 3-Ethenyl-1,1,1,3,5,5,5-heptamethyltrisiloxane

Synonym(s): 1,1,1,3,5,5,5-Heptamethyl-3-vinyltrisiloxane, 9CI

CAS Registry Number: 5356-85-4

$(\text{Me}_3\text{SiO})_2\text{SiMeCH}=\text{CH}_2$

Molecular Formula: $\text{C}_9\text{H}_{24}\text{O}_2\text{Si}_3$

Molecular Weight: 248.544

Accurate Mass: 248.108411

Percentage Composition: C 43.49%; H 9.73%; O 12.87%; Si 33.90%

Source/Synthesis: Synth. from $\text{H}_2\text{C}=\text{CHSiMeCl}_2 + \text{Me}_3\text{SiCl} + \text{H}_2\text{O}$

Boiling Point: Bp 164-166°

Density: d^{20}_4 0.84

Refractive Index: n^{20}_D 1.3980

References:

Pike, R.M. *et al.*, *J. Polym. Sci.*, 1956, **22**, 55-64, (*synth*)

Schraml, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1966, **31**, 503-514; 1977, **42**, 306-317, (*pmr*, *cmr*, *Si-29 nmr*)

Brzezinska, Z.C. *et al.*, *Inorg. Chem.*, 1979, **18**, 3132-3138, (*synth*, *pmr*)