



>>Entry Name: Dodecamethylpentasiloxane, 9CI

CAS Registry Number: 141-63-9

$\text{Me}_3\text{SiOSiMe}_2\text{OSiMe}_2\text{OSiMe}_2\text{OSiMe}_3$

Molecular Formula: $\text{C}_{12}\text{H}_{36}\text{O}_4\text{Si}_5$

Molecular Weight: 384.842

Accurate Mass: 384.145995

Percentage Composition: C 37.45%; H 9.43%; O 16.63%; Si 36.49%

Source/Synthesis: Synth. by dist. from a H_2SO_4 catalysed equilib. mixt. of hexamethyldisiloxane and octamethylcyclotetrasiloxane

Physical Description: Liq.

Boiling Point: Bp₃ 91°

Aldrich: 44726-9

References:

Levy, G.C. *et al.*, *J.A.C.S.*, 1973, **95**, 3445, (*synth*, *Si-29 nmr*, *pmr*)

Garzo, G. *et al.*, *J. Chromatogr.*, 1978, **167**, 321, (*synth*)

Kirichenko, E.A. *et al.*, *Zh. Obshch. Khim.*, 1980, **50**, 1576, (*uv*)