



>>Entry Name: Dimethyldi-2-propenylsilane, 9CI

Synonym(s): Diallyldimethylsilane

CAS Registry Number: 1113-12-8

$(\text{H}_2\text{C}=\text{CHCH}_2)_2\text{SiMe}_2$

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

Molecular Weight: 140.3

Accurate Mass: 140.102127

Percentage Composition: C 68.49%; H 11.49%; Si 20.02%

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

Boiling Point: Bp 135-136°

Density: d_4^{20} 0.77

Refractive Index: n_D^{20} 1.4402

References:

Burkhard, C.A. *et al.*, *J.A.C.S.*, 1950, **72**, 1078-1080, (*synth*)

Nasiak, L.D. *et al.*, *J.O.C.*, 1959, **24**, 489-492, (*synth*)

Delmulle, L. *et al.*, *J. Mol. Struct.*, 1980, **66**, 315-318, (*pmr, cmr, Si-29 nmr*)