



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

Synonym(s): Diallyldiphenylsilane

CAS Registry Number: 10519-88-7

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

Molecular Formula: $\text{C}_{18}\text{H}_{20}\text{Si}$

Molecular Weight: 264.442

Accurate Mass: 264.133427

Percentage Composition: C 81.76%; H 7.62%; Si 10.62%

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

Boiling Point: Bp_{16} 183-184°

Density: d_{20}^{20} 0.99

Refractive Index: n_D^{20} 1.5750

References:

Gilman, H. *et al.*, *J.A.C.S.*, 1959, **81**, 5925-5928, (*synth*)

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

Henry, M.C. *et al.*, *J.A.C.S.*, 1960, **82**, 555-558, (*ir*)

Rakita, P.E. *et al.*, *J. Organomet. Chem.*, 1977, **137**, 145-155; **139**, 135-142, (*cmr*)

Henry, C. *et al.*, *Tetrahedron*, 1994, **50**, 11379-11390, (*synth, pmr, cmr, Si-29 nmr, ms*)