



>>Entry Name: Ethenyldimethylphenylsilane, 9CI

Synonym(s): Dimethylphenylvinylsilane, 8CI

CAS Registry Number: 1125-26-4

PhSiMe₂CH=CH₂

Molecular Formula: C₁₀H₁₄Si

Molecular Weight: 162.306

Accurate Mass: 162.086477

Percentage Composition: C 74.00%; H 8.69%; Si 17.30%

Source/Synthesis: Synth. from PhMe₂SiCl, Na and vinyl chloride

Use/Importance: Used in polymerisations. With PhSH/O₂ → PhSCH₂CHO

Physical Description: Liq.

Boiling Point: Bp₂₀ 82°. Bp₄ 69°

References:

Kanazashi, M., *Bull. Chem. Soc. Jpn.*, 1953, **26**, 493, (*synth*)

Fritz, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1970, **372**, 21, (*synth*)

Lebedev, B.V. *et al.*, *CA*, 1977, **86**, 156128, (*props*)

Rakita, P.E. *et al.*, *J. Organomet. Chem.*, 1977, **137**, 145, (*cmr*)

Yoshida, J.-I. *et al.*, *J.O.C.*, 1989, **54**, 5655, (*use*)