



>>Entry Name: Pentafluorovinylbenzene

Synonym(s): Ethenylpentafluorobenzene, 9Cl. 2,3,4,5,6-Pentafluorostyrene, 8Cl. (Pentafluorophenyl)ethylene

CAS Registry Number: 653-34-9

Related CAS Registry Numbers(s): 64253-83-4 102685-91-6

$(\text{C}_6\text{F}_5)\text{CH}=\text{CH}_2$

Molecular Formula: $\text{C}_8\text{H}_3\text{F}_5$

Molecular Weight: 194.104

Accurate Mass: 194.01549

Percentage Composition: C 49.50%; H 1.56%; F 48.94%

Boiling Point: Bp 140-141°. Bp₅₀ 62-63°

Aldrich: 19691-6

Fluka: 76765

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **3**, 953A

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 818C

Nield, E. *et al.*, *J.C.S.*, 1959, 166, (synth)

Bruce, M.I., *J.C.S.(A)*, 1968, 1459, (*F-19 nmr*)

Green, J.H.S. *et al.*, *Spectrochim. Acta A*, 1977, **33**, 423, (*ir*, *Raman*)

Nyquist, R.A., *Appl. Spectrosc.*, 1986, **40**, 196, (*ir*)

Rempel, D.L. *et al.*, *Anal. Chem.*, 1989, **61**, 749, (*ms*)