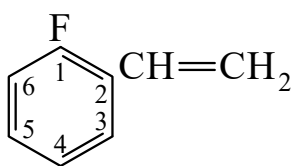




>>Entry Name: 1-Fluoro-2-vinylbenzene

Synonym(s): 1-Ethenyl-2-fluorobenzene, 9Cl. 2-Fluorostyrene, 8Cl. (2-Fluorophenyl)ethylene



CAS Registry Number: 394-46-7

Molecular Formula: C₈H₇F

Molecular Weight: 122.142

Accurate Mass: 122.053178

Percentage Composition: C 78.67%; H 5.78%; F 15.55%

Physical Description: Liq.

Boiling Point: Bp₃₂ 46°. Bp₄ 29-30°

Solubility: V. sol. C₆H₆, Et₂O, EtOH

Density: d₄²⁰ 1.028

Refractive Index: n_D²⁰ 1.5200

Other Data: Polym. on heating or in uv light

Aldrich: 29050-5

Sigma: F5876

References:

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Marvel, C.S. *et al.*, *J.A.C.S.*, 1948, **70**, 1895, (*synth*)

Natta, G. *et al.*, *Makromol. Chem.*, 1958, **28**, 253, (*polym*)

Fateley, W.G. *et al.*, *Appl. Spectrosc.*, 1968, **22**, 650, (*ir*)

Dewar, M.J.S. *et al.*, *J. Chem. Phys.*, 1968, **49**, 499, (*F-19 nmr*)

Doddrell, D. *et al.*, *J.C.S. Perkin 2*, 1976, 402, (*cmr*)

Laval, F. *et al.*, *Bull. Soc. Chim. Fr.*, 1978, 191, (*cationic polym*)

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Schaefer, T. *et al.*, *Can. J. Chem.*, 1985, **63**, 24; 1990, **68**, 1383, (*pmr, F-19 nmr, conformn*)