



>>Entry Name: 1,4-Pentadiene, 9CI

Synonym(s): Divinylmethane

CAS Registry Number: 591-93-5

Extra CAS Registry Numbers(s): 41050-31-1

$\text{H}_2\text{C}=\text{CHCH}_2\text{CH}=\text{CH}_2$

Molecular Formula: C_5H_8

Molecular Weight: 68.118

Accurate Mass: 68.0626

Percentage Composition: C 88.16%; H 11.84%

Physical Description: Volatile liq.

Boiling Point: Bp 25.8-26.2°

Refractive Index: n_{D}^{20} 1.3883

Hazard & Toxicity: Highly flammable, fl. p. 4°

Aldrich: P460-7

Fluka: 76625

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 41C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 27B, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 40A, (ir)

Shoemaker, B.H. *et al.*, *J.A.C.S.*, 1931, **53**, 1505, (synth)

Schniepp, L.E. *et al.*, *J.A.C.S.*, 1945, **67**, 55, (synth)

Org. Synth., Coll. Vol., 4, 1963, 746; 748, (synth)

Yonemoto, T., *J. Magn. Reson.*, 1974, **13**, 153, (cmr)

Inagaki, F. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 3557, (spectra)