



>>Entry Name: **2,5-Dimethyl-1,5-hexadiene**, 9CI
Synonym(s): Diisobutenyl. Diisobutene. Dimethallyl

CAS Registry Number: 627-58-7
 $\text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{C}(\text{CH}_3)=\text{CH}_2$

Molecular Formula: C_8H_{14}
Molecular Weight: 110.199
Accurate Mass: 110.10955
Percentage Composition: C 87.20%; H 12.80%
Melting Point: Mp -75.6°
Boiling Point: Bp 116° . Bp₁₀₀ 57.5°
Other Data: n_{D} 1.4293

Aldrich: 36224-7
Fluka: 40513

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 44A, (*nmr*)
Registry of Mass Spectral Data, Wiley, 124-4, (*ms*)
Sadtler Standard C-13 NMR Spectra, 3824, (*cmr*)
Sadtler Standard Infrared Spectra, 47967, (*ir*)
Sadtler Standard NMR Spectra, 21249, (*pmr*)
Schales, O., *Ber.*, 1937, **70**, 119, (*synth*)
Henne, A.L. *et al.*, *J.A.C.S.*, 1941, **63**, 3474, (*synth*)
LaCombe, E.M. *et al.*, *J.A.C.S.*, 1961, **83**, 3457, (*synth*)
Olah, G.A. *et al.*, *Synthesis*, 1976, 607, (*synth*)
Holland, D. *et al.*, *Chem. Ind. (London)*, 1979, 707, (*synth*)