



>>Entry Name: 4-Methyl-2-pentene, 9CI

Synonym(s): 2-Isohexene

CAS Registry Number: 4461-48-7

Extra CAS Registry Numbers(s): 691-38-3

$(\text{H}_3\text{C})_2\text{CHCH}=\text{CHCH}_3$

Molecular Formula: C_6H_{12}

Molecular Weight: 84.161

Accurate Mass: 84.0939

Percentage Composition: C 85.63%; H 14.37%

Hazard & Toxicity: Highly flammable, fl. p. -32°

Rare Chemicals Library: S43396-9

>>Variant: (E)-form

CAS Registry Number: 674-76-0

Molecular Formula: C_6H_{12}

Molecular Weight: 84.161

Accurate Mass: 84.0939

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 58.6°

Density: d_4^{20} 0.69

>>Variant: (Z)-form

CAS Registry Number: 691-38-3

Molecular Formula: C_6H_{12}

Molecular Weight: 84.161

Accurate Mass: 84.0939

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 56.4°

Density: d_4^{20} 0.67

Refractive Index: n_D^{20} 1.3880

References:

Aldrich Library of NMR Spectra, 2nd edn., 1983, **1**, 29D

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **3**, 31B, (ir)

Mulliken, S.P. *et al.*, *J.A.C.S.*, 1935, **57**, 1605, (synth)

Courtot, P. *et al.*, *Can. J. Chem.*, 1991, **69**, 661-672, (E-form, synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MNK750