



>>Entry Name: 3-Methyl-1-butene, 9CI

Synonym(s): Isopropylethylene. α -Isoamylene. Isopentene 1. 2-Vinylpropane

CAS Registry Number: 563-45-1

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

Molecular Formula: C_5H_{10}

Molecular Weight: 70.134

Accurate Mass: 70.07825

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq. or gas

Melting Point: Fp -168.5°

Boiling Point: Bp 20.1°

Solubility: Insol. H_2O ; sol. C_6H_6 ; misc. EtOH, Et_2O

Density: d_4^{15} 0.632

Refractive Index: n_D^{15} 1.3675

Other Data: Undergoes cationic polym. with a hydride shift

Hazard & Toxicity: Extremely flammable, fl. p. -7° , autoignition temp. 365°

Aldrich: 25793-1

Fluka: 66072

References:

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