



>>Entry Name: 2-Pentene, 9CI

Synonym(s): β -Amylene

CAS Registry Number: 109-68-2

Extra CAS Registry Numbers(s): 25377-72-4

$\text{H}_3\text{CCH}_2\text{CH}=\text{CHCH}_3$

Molecular Formula: C_5H_{10}

Molecular Weight: 70.134

Accurate Mass: 70.07825

Percentage Composition: C 85.63%; H 14.37%

Aldrich: 14377-4

Fluka: 77000

Rare Chemicals Library: S43689-5

>>Variant: (E)-form

CAS Registry Number: 646-04-8

Molecular Formula: C_5H_{10}

Molecular Weight: 70.134

Accurate Mass: 70.07825

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

Melting Point: Fp -140.24°

Boiling Point: Bp 36.35°

Density: d_4^{20} 0.648

Refractive Index: n_D^{20} 1.3798

Hazard & Toxicity: Extremely flammable, fl. p. $<-20^\circ$

Aldrich: 11126-0

Fluka: 76990

Supelco: 44-2815

>>Variant: (Z)-form

CAS Registry Number: 627-20-3

Molecular Formula: C_5H_{10}

Molecular Weight: 70.134

Accurate Mass: 70.07825

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

Melting Point: Fp -151°

Boiling Point: Bp 36.88°

Density: d_4^{20} 0.655

Refractive Index: n_D^{20} 1.3828

Hazard & Toxicity: Extremely flammable, fl. p. -18° , autoignition temp. $273/275^\circ$

Aldrich: 14376-6

Fluka: 76979

Supelco: R30-1425

References:

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