



>>Entry Name: 2-Hexene, 9CI

Synonym(s): 2-Hexylene

CAS Registry Number: 592-43-8

Extra CAS Registry Numbers(s): 25264-93-1

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

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. $-29^\circ/-21^\circ$, autoignition temp. 245°

Aldrich: 14379-0

Fluka: 52965

>>Variant: (*E*)-form

CAS Registry Number: 4050-45-7

Molecular Formula: C_6H_{12}

Molecular Weight: 84.161

Accurate Mass: 84.0939

Percentage Composition: C 85.63%; H 14.37%

Physical Description: Liq.

Melting Point: Fp -133°

Boiling Point: Bp 68°

Aldrich: 11089-2

Fluka: 52960

>>Variant: (*Z*)-form

CAS Registry Number: 7688-21-3

Molecular Formula: C_6H_{12}

Molecular Weight: 84.161

Accurate Mass: 84.0939

Percentage Composition: C 85.63%; H 14.37%

Melting Point: Mp -146°

Boiling Point: Bp 68°

Refractive Index: n_D^{20} 1.3954

Fluka: 52955

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 24A; 24B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 17C; 17D, (*ir*)

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Schmitt, C.G. *et al.*, *J.A.C.S.*, 1932, **54**, 751, (*synth*)

Campbell, K.N. *et al.*, *J.A.C.S.*, 1941, **63**, 2683, (*Z*-form)

Nefedov, B.K. *et al.*, *CA*, 1973, **79**, 136387v, (*synth*)

Hudolik, P.F. *et al.*, *J.O.C.*, 1975, **40**, 2263, (*general synth*)

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