



>>Entry Name: 3-Heptene

Synonym(s): 3-Heptylene

CAS Registry Number: 592-78-9

Related CAS Registry Numbers(s): 25339-56-4

H3CCH2CH2CH=CHCH2CH3

Molecular Formula: C₇H₁₄

Molecular Weight: 98.188

Accurate Mass: 98.10955

Percentage Composition: C 85.63%; H 14.37%

Melting Point: Fp -136.7°

Hazard & Toxicity: Highly flammable, fl. p. -6°/-7° (*E* and *Z*)

Fluka: 51920

>>Variant: (*E*)-form

CAS Registry Number: 14686-14-7

Molecular Formula: C₇H₁₄

Molecular Weight: 98.188

Accurate Mass: 98.10955

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 94°

Refractive Index: n_D²⁰ 1.4040

Aldrich: 11082-5

Fluka: 51910

>>Variant: (*Z*)-form

CAS Registry Number: 7642-10-6

Molecular Formula: C₇H₁₄

Molecular Weight: 98.188

Accurate Mass: 98.10955

Percentage Composition: C 85.63%; H 14.37%

Boiling Point: Bp 95.7°

Refractive Index: n_D²⁰ 1.4060

Aldrich: 25864-4

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 25C; 26A, (*nmr*)

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Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 25A; 25B, (*ir*)

Griffith, R.H., *J.C.S.(C)*, 1945, 715, (*synth*)

Reetz, M.T. *et al.*, *Synthesis*, 1977, 135, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, HBK350