



>>Entry Name: 2-Hexyne, 9CI

Synonym(s): Methylpropylacetylene

CAS Registry Number: 764-35-2

$\text{H}_3\text{C}(\text{CH}_2)_2\text{C}\equiv\text{CCH}_3$

Molecular Formula: C_6H_{10}

Molecular Weight: 82.145

Accurate Mass: 82.07825

Percentage Composition: C 87.73%; H 12.27%

Melting Point: Fp -90°

Boiling Point: Bp 83.8°

Refractive Index: n_D^{20} 1.4135

Hazard & Toxicity: Highly flammable, fl. p. $<-10^\circ$

Aldrich: 29391-1

Fluka: 53085

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 502A, (nmr)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1580C, (ir)

Harzer, A., *Chem. Zentralbl.*, 1914, **2**, 1171

Henne, A.L. *et al.*, *J.A.C.S.*, 1943, **65**, 2020, (synth)

Mkryan, G.M. *et al.*, *Zh. Org. Khim.*, 1974, **10**, 1878; *CA*, **81**, 135333d, (synth)

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd edn., Butterworths, 1979, 1186

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 831