



>>Entry Name: 1-Hexyne, 9CI

Synonym(s): Butylacetylene

CAS Registry Number: 693-02-7

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

Molecular Formula: C_6H_{10}

Molecular Weight: 82.145

Accurate Mass: 82.07825

Percentage Composition: C 87.73%; H 12.27%

Melting Point: Fp -132.09°

Boiling Point: Bp 71.35° . Bp₇₅ 12.5°

Aldrich: 24442-2

Fluka: 53080

Rare Chemicals Library: S55494-4

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 501C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 931C, (*ir*)

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

Org. Synth., Coll. Vol., 4, 1963, 117, (*synth, bibl*)

Midland, M.M. *et al.*, *J.O.C.*, 1974, **39**, 731, (*synth*)

Smith, W.N. *et al.*, *Synthesis*, 1974, 441, (*synth*)

Levisalles, J. *et al.*, *J. Organomet. Chem.*, 1976, **122**, C17, (*synth*)

Vinczer, P. *et al.*, *Org. Prep. Proced. Int.*, 1989, **21**, 233, (*synth*)