



>>Entry Name: **3-Hexyn-1-ol**, 9CI

Synonym(s): β -Hydroxyethylpropylacetylene

CAS Registry Number: 1002-28-4

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

Molecular Formula: $\text{C}_6\text{H}_{10}\text{O}$

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Use/Importance: Intermed. in manuf. of perfumery chemicals

Boiling Point: Bp_7 64°

Refractive Index: n_{D}^{20} 1.4538

Aldrich: 24443-0

>>Derivative: 3,5-Dinitrobenzoyl

Physical Description: Cryst. (petrol)

Melting Point: Mp 73-74°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 938B, (*ir*)

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 513B, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1587D, (*ir*)

Bohnsack, H., *Ber.*, 1941, **74**, 1575, (*synth*)

Sondheimer, F., *J.C.S.*, 1950, 877, (*synth*)

Flahaut, J. *et al.*, *Helv. Chim. Acta*, 1978, **61**, 2275, (*synth*)

Verkruijssse, H.D. *et al.*, *Synth. Commun.*, 1991, **21**, 235, (*synth*)