>>**Entry Name: 3-Hexyn-1-ol,** 9CI
Synonym(s): β-Hydroxyethylpropylacetylene

CAS Registry Number: 1002-28-4
$H_3CCH_2C{\equiv}CCH_2CH_2OH$

Molecular Formula: $C_6H_{10}O$
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 13C 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)*
Verkruijsse, H.D. *et al.*, *Synth. Commun.*, 1991, **21**, 235, ***(synth)***