



>>Entry Name: 5-Hexyn-1-ol, 9CI

CAS Registry Number: 928-90-5

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

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%

Boiling Point: Bp_{16} 75°

Aldrich: 30201-5

Fluka: 53105

>>Derivative: Ac

CAS Registry Number: 68274-83-9

Molecular Formula: $\text{C}_8\text{H}_{12}\text{O}_2$

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Physical Description: Liq.

Boiling Point: Bp_{11} 93°

>>Derivative: 3,5-Dinitrobenzoyl

Physical Description: Plates (petrol)

Melting Point: Mp 58°

References:

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

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

Eglinton, G. *et al.*, *J.C.S.*, 1952, 2873, (*synth*)

Tufariello, J.J. *et al.*, *J.O.C.*, 1974, **39**, 3378, (*synth*)

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

Kita, Y. *et al.*, *J.O.C.*, 1991, **56**, 119, (*synth*, *ir*, *pmr*)

Schlichting, P. *et al.*, *Liebigs Ann./Recl.*, 1997, 395, (*Ac*)