



>>Entry Name: 3-Pentyn-1-ol, 9CI

CAS Registry Number: 10229-10-4

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

Molecular Formula: $\text{C}_5\text{H}_8\text{O}$

Molecular Weight: 84.118

Accurate Mass: 84.057515

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Boiling Point: Bp 154-157°

Refractive Index: n_D^{20} 1.4555

Aldrich: 20869-8

Fluka: 77051

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 86°

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **3**, 511B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 937D, (*ir*)

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

Crombie, L. *et al.*, *J.C.S.*, 1950, 873, (*synth*)

Koyama, H. *et al.*, *Agric. Biol. Chem.*, 1972, **36**, 793, (*synth*)

Coxon, J.W. *et al.*, *J.O.C.*, 1974, **39**, 1142, (*synth, nmr*)

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