



>>Entry Name: 2,4,4-Trimethyl-1-pentanol, 9CI

CAS Registry Number: 16325-63-6

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

Molecular Formula: $\text{C}_8\text{H}_{18}\text{O}$

Molecular Weight: 130.23

Accurate Mass: 130.135765

Percentage Composition: C 73.78%; H 13.93%; O 12.29%

Aldrich: 18667-8

>>Variant: ($\pm$)-form

Molecular Formula: $\text{C}_8\text{H}_{18}\text{O}$

Molecular Weight: 130.23

Accurate Mass: 130.135765

Percentage Composition: C 73.78%; H 13.93%; O 12.29%

Boiling Point: Bp_{12} 68-69°

>>Derivative: Ac

Molecular Formula: $\text{C}_{10}\text{H}_{20}\text{O}_2$

Molecular Weight: 172.267

Accurate Mass: 172.14633

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Refractive Index: n_{D}^{20} 1.4170

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 73-74°

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 173C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 117A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 164B, (*ir*)

Hadley, D.J. *et al.*, *J.C.S.*, 1954, 1416, (*synth*)

Baltz, H. *et al.*, *J. Prakt. Chem.*, 1965, **29**, 250, (*synth*)