



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

CAS Registry Number: 821-41-0

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

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}$

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Boiling Point: Bp₇₁₈ 155-156°. Bp₂₅ 74°. Bp₂₀ 73.5-74°

Aldrich: 23032-4

Fluka: 53050

>>Derivative: Ac

CAS Registry Number: 5048-26-0

Molecular Formula: $\text{C}_8\text{H}_{14}\text{O}_2$

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Boiling Point: Bp 172°. Bp₁₆ 69°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 49.8-50.5°

>>Derivative: 1-Naphthylurethane

Molecular Formula: $\text{C}_{17}\text{H}_{19}\text{NO}_2$

Molecular Weight: 269.343

Percentage Composition: C 75.81%; H 7.11%; N 5.20%; O 11.88%

Melting Point: Mp 62°

>>Derivative: Me ether

Synonym(s): 6-Methoxy-1-hexene

Molecular Formula: $\text{C}_7\text{H}_{14}\text{O}$

Molecular Weight: 114.187

Accurate Mass: 114.104465

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Physical Description: Liq. with strong odour

Boiling Point: Bp 125°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 214C, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 142D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 207B, (*ir*)

Cahiez, G. *et al.*, *Tet. Lett.*, 1978, 3013, (*synth*)

Jenneskens, L.W. *et al.*, *J.O.C.*, 1989, **54**, 5811, (*synth*)

Hatanaka, A. *et al.*, *Z. Naturforsch., C*, 1992, **47**, 183, (*synth*, *pmr*, *cmr*)