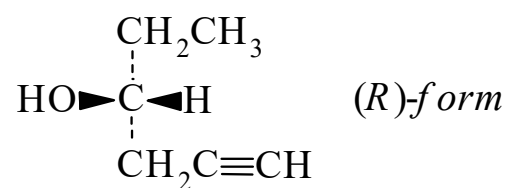




>>Entry Name: 5-Hexyn-3-ol



CAS Registry Number: 19780-84-8

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

>>Variant: (R)-form

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Optical Rotation: $[\alpha]_{\text{D}}^{25} -4$ (c, 1.1 in CHCl₃)

>>Variant: (±)-form

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Boiling Point: Bp 138-139°. Bp₁₀ 44°

Density: d₄²⁵ 0.855089

Refractive Index: n_D²³ 1.4435

References:

Violo, A. *et al.*, *J.A.C.S.*, 1971, **93**, 6967, (*synth, ir, pmr*)

Roy, B.L. *et al.*, *Can. J. Chem.*, 1985, **63**, 651, (*abs config*)

Caron, M. *et al.*, *Can. J. Chem.*, 1986, **64**, 1781, (*synth, ir, pmr*)