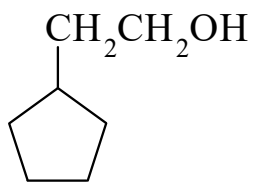




>>Entry Name: Cyclopentaneethanol, 9CI, 8CI

Synonym(s): 2-Cyclopentylethanol



CAS Registry Number: 766-00-7

Molecular Formula: C₇H₁₄O

Molecular Weight: 114.187

Accurate Mass: 114.104465

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

Physical Description: Oil

Boiling Point: Bp₂₄ 96.5-97°. Bp₁₀ 79-82°

Density: d₄²⁰ 0.918

Refractive Index: n_D²⁵ 1.4559

Rare Chemicals Library: S41922-2

>>Derivative: Ac

CAS Registry Number: 51125-13-4

Molecular Formula: C₉H₁₆O₂

Molecular Weight: 156.224

Accurate Mass: 156.11503

Percentage Composition: C 69.19%; H 10.32%; O 20.48%

Physical Description: Liq.

Boiling Point: Bp 193-195°. Bp₁₄ 75°

Density: d₄²⁰ 0.954

Refractive Index: n_D²⁰ 1.4408

>>Derivative: 4-Nitrobenzenesulfonyl

Physical Description: Cryst.

Melting Point: Mp 74-75°

References:

Yohe, G.R. *et al.*, *J.A.C.S.*, 1928, **50**, 1505, (*synth*)

Plate, A.F. *et al.*, *Zh. Obshch. Khim.*, 1950, **20**, 472, (*deriv*)

Lawson, R.G., *J.A.C.S.*, 1961, **83**, 2399, (*synth*)

Cane, D.E. *et al.*, *J.A.C.S.*, 1984, **106**, 5295, (*synth, ir, pmr*)