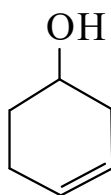




>>Entry Name: 3-Cyclohexen-1-ol, 9CI

Synonym(s): 1,2,5,6-Tetrahydrophenol



CAS Registry Number: 822-66-2

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

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

>>Variant: (±)-form

CAS Registry Number: 72137-22-5

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

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

Physical Description: Liq.

Boiling Point: Bp 164-165°. Bp₁₄ 119-121°

Solubility: Mod. sol. H₂O

Density: d₄²³ 0.985

Refractive Index: n_D²² 1.4851

>>Derivative: Ac

CAS Registry Number: 10437-78-2

Molecular Formula: C₈H₁₂O₂

Molecular Weight: 140.182

Accurate Mass: 140.08373

Percentage Composition: C 68.55%; H 8.63%; O 22.83%

Boiling Point: Bp_{0.4} 35°

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 100°

>>Derivative: Me ether

Synonym(s): 4-Methoxycyclohexene. 1,2,5,6-Tetrahydroanisole

CAS Registry Number: 75917-76-9

Molecular Formula: C₇H₁₂O

Molecular Weight: 112.171

Accurate Mass: 112.088815

Percentage Composition: C 74.95%; H 10.78%; O 14.26%

Boiling Point: Bp 135.5-136.5°

>>Derivative: Phenylurethane

Melting Point: Mp 83°

References:

Baeyer, A., *Annalen*, 1893, **278**, 97, (*synth*)

Lindemann, H. *et al.*, *Annalen*, 1930, **477**, 78, (*synth*)

Zelinsky, N.D. *et al.*, *Ber.*, 1931, **64**, 1399, (*synth*)

Gogek, C.J. *et al.*, *Can. J. Chem.*, 1951, **29**, 946, (*synth*)