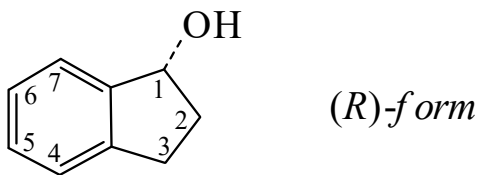




>>Entry Name: 1-Indanol, 8CI

Synonym(s): 2,3-Dihydro-1*H*-inden-1-ol, 9CI. 1-Hydroxyindane. 1-Hydroxyhydrindene



CAS Registry Number: 6351-10-6

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Aldrich: 19373-9

Fluka: 56866

>>Variant: (*R*)-form

CAS Registry Number: 697-64-3

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Melting Point: Mp 72°

Optical Rotation: $[\alpha]_{\text{D}}^{22} -34$ (CHCl₃). $[\alpha]_{\text{D}}^{21} -45.5$ (c, 1.184 in MeOH)

Aldrich: 32841-3

Fluka: 56862

Sigma: I0637

>>Derivative: Ac

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Optical Rotation: $[\alpha]_{\text{D}}^{24} +43.5$ (86% op)

>>Variant: (*S*)-form

CAS Registry Number: 25501-32-0

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Melting Point: Mp 72°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +34$ (CHCl₃)

Aldrich: 32312-8

Fluka: 56864

Sigma: I7886

>>Variant: (±)-form

CAS Registry Number: 697-63-2

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

Percentage Composition: C 80.56%; H 7.51%; O 11.92%

Physical Description: Columns (petrol)

Melting Point: Mp 54°

Boiling Point: Bp 220°. Bp₉ 119-120°

>>Derivative: Ac

CAS Registry Number: 26452-98-2

Physical Description: Oil

Boiling Point: Bp₂₀ 130°