



>>Entry Name: 2-Indanol, 8Cl

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

CAS Registry Number: 4254-29-9

Molecular Formula: C₉H₁₀O

Molecular Weight: 134.177

Accurate Mass: 134.073165

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

Physical Description: Cryst. (petrol)

Melting Point: Mp 70°

Boiling Point: Bp₁₂ 120-123°

Aldrich: 18035-1

>>Derivative: Ac

CAS Registry Number: 4254-31-3

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

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

Physical Description: Cryst. (petrol)

Melting Point: Mp 32°

>>Derivative: Benzoyl

CAS Registry Number: 71482-23-0

Molecular Formula: C₁₆H₁₄O₂

Molecular Weight: 238.285

Accurate Mass: 238.09938

Percentage Composition: C 80.65%; H 5.92%; O 13.43%

Physical Description: Prisms (EtOH)

Melting Point: Mp 63°

>>Derivative: Me ether

Synonym(s): 2-Methoxyindane

CAS Registry Number: 81887-53-8

Molecular Formula: C₁₀H₁₂O

Molecular Weight: 148.204

Accurate Mass: 148.088815

Percentage Composition: C 81.04%; H 8.16%; O 10.80%

Boiling Point: Bp₁₁ 92°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1158C, (*ir*)

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Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1081B, (*ir*)

Aldrich Library of IR Spectra, 2nd Ed., 617B, (*ir*)

Sadtler Standard C-13 NMR Spectra, 5895, (*cmr*)

Sadtler Standard Ultraviolet Spectra, 26373, (*uv*)

Suter, C.M. *et al.*, *J.A.C.S.*, 1943, **65**, 582, (*synth*)

Hückel, W. *et al.*, *Annalen*, 1961, **645**, 162, (*synth*)

Patrick, T.B. *et al.*, *J.A.C.S.*, 1973, **95**, 5192, (*pmr*)

Bowers, N.I. *et al.*, *J.C.S. Perkin I*, 1999, 1453-1462, (*Me ether, Ac, synth, pmr, ms*)