



>>Entry Name: 4-Hydroxy-1-indanone, 8Cl

Synonym(s): 2,3-Dihydro-4-hydroxy-1*H*-inden-1-one, 9Cl. 4-Hydroxyhydrindone

CAS Registry Number: 40731-98-4

Molecular Formula: C₉H₈O₂

Molecular Weight: 148.161

Accurate Mass: 148.05243

Percentage Composition: C 72.96%; H 5.44%; O 21.60%

Physical Description: Plates (MeOH)

Melting Point: Mp 239-240°

Aldrich: 38923-4

>>Derivative: Oxime

Molecular Formula: C₉H₉NO₂

Molecular Weight: 163.176

Accurate Mass: 163.063329

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 186°

>>Derivative: Semicarbazone

Melting Point: Mp 206°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-1-indanone

CAS Registry Number: 13336-31-7

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 102-103°

Aldrich: 39252-9

>>Derivative: Benzyl ether

CAS Registry Number: 86045-82-1

Molecular Formula: C₁₆H₁₄O₂

Molecular Weight: 238.285

Accurate Mass: 238.09938

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

Physical Description: Cryst. (hexane)

Melting Point: Mp 66-67°

References:

Loudon, J.D. *et al.*, *J.C.S.*, 1954, 4299, (*synth, uv*)

Barco, A. *et al.*, *Org. Prep. Proced. Int.*, 1976, **8**, 7, (*synth*)

Menger, F.M. *et al.*, *J.A.C.S.*, 1983, **105**, 4996, (*deriv*)

Cannon, J.G. *et al.*, *J. Med. Chem.*, 1985, **28**, 515, (*synth*)

Pang, Y.-P. *et al.*, *J.O.C.*, 1991, **56**, 4499, (*Me ether*)