



>>Entry Name: 7-Hydroxy-1-indanone, 8Cl
Synonym(s): 2,3-Dihydro-7-hydroxy-1*H*-inden-1-one, 9Cl

CAS Registry Number: 6968-35-0

Molecular Formula: C₉H₈O₂
Molecular Weight: 148.161
Accurate Mass: 148.05243
Percentage Composition: C 72.96%; H 5.44%; O 21.60%
Physical Description: Cryst. (petrol)
Melting Point: Mp 112-113°
Boiling Point: Bp₂₀ 144°
pKa Value: pK_a 8.43 (25°, H₂O)

>>Derivative: Oxime

CAS Registry Number: 73045-35-9
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%
Use/Importance: Needles (H₂O)
Melting Point: Mp 144°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH)
Melting Point: Mp 242°

>>Derivative: Ac

Molecular Formula: C₁₁H₁₀O₃
Molecular Weight: 190.198
Accurate Mass: 190.062995
Percentage Composition: C 69.46%; H 5.30%; O 25.24%
Physical Description: Leaflets (H₂O)
Melting Point: Mp 78-79°

>>Derivative: Me ether
Synonym(s): 7-Methoxy-1-indanone

CAS Registry Number: 34985-41-6
Molecular Formula: C₁₀H₁₀O₂
Molecular Weight: 162.188
Accurate Mass: 162.06808
Percentage Composition: C 74.06%; H 6.21%; O 19.73%
Physical Description: Plates (C₆H₆/petrol)
Melting Point: Mp 102-103°

References:

Johnson, W.S. *et al.*, *J.A.C.S.*, 1944, **66**, 218, (*synth, deriv*)
Loudon, J.D. *et al.*, *J.C.S.*, 1954, 4299, (*synth, uv, deriv*)
Wagatsuma, S. *et al.*, *Org. Prep. Proced. Int.*, 1973, **5**, 65, (*synth*)