



>>Entry Name: 6-Hydroxy-1-indanone, 8Cl

Synonym(s): 2,3-Dihydro-6-hydroxy-1*H*-inden-1-one, 9Cl. 6-Hydroxyhydrindone

CAS Registry Number: 62803-47-8

Molecular Formula: C₉H₈O₂

Molecular Weight: 148.161

Accurate Mass: 148.05243

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

Physical Description: Needles (EtOH)

Melting Point: Mp 151-153°

>>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: Needles (EtOH)

Melting Point: Mp 133°

>>Derivative: Ac

CAS Registry Number: 22246-25-9

Molecular Formula: C₁₁H₁₀O₃

Molecular Weight: 190.198

Accurate Mass: 190.062995

Percentage Composition: C 69.46%; H 5.30%; O 25.24%

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 122-124°

>>Derivative: Benzoyl

Molecular Formula: C₁₆H₁₂O₃

Molecular Weight: 252.269

Accurate Mass: 252.078645

Percentage Composition: C 76.18%; H 4.79%; O 19.03%

Melting Point: Mp 141°

>>Derivative: Me ether

Synonym(s): 6-Methoxy-1-indanone

CAS Registry Number: 13623-25-1

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

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

Physical Description: Leaflets (EtOH)

Melting Point: Mp 109°

Aldrich: 17525-0

Fluka: 64998

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 810A, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1235A, (*ir*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 856G, (*ir*)

Sam, J., *J.A.C.S.*, 1960, **82**, 5205, (*synth, bibl*)

Tomita, M. *et al.*, *J.C.S.(C)*, 1969, 183, (*synth*)

Heffner, R.J. *et al.*, *Synth. Commun.*, 1991, **21**, 2231, (*synth, ir, pmr, 6-Methoxyindanone*)