>>**Entry Name: 6-Hydroxy-1-indanone,** 8CI
**Synonym(s):** 2,3-Dihydro-6-hydroxy-1*H*-inden-1-one, 9CI. 6-Hydroxyhydrindone

**CAS Registry Number:** 62803-47-8

**Molecular Formula:** $C_9H_8O_2$
**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:** $C_9H_9NO_2$
**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:** $C_{11}H_{10}O_3$
**Molecular Weight:** 190.198
**Accurate Mass:** 190.062995
**Percentage Composition:** C 69.46%; H 5.30%; O 25.24%
**Physical Description:** Cryst. ($Me_2CO$)
**Melting Point:** Mp 122-124°

>>**Derivative:** Benzoyl

**Molecular Formula:** $C_{16}H_{12}O_3$
**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:** $C_{10}H_{10}O_2$
**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)*