>>**Entry Name: 5,6-Dihydroxy-1-indanone,** 8CI
Synonym(s): 2,3-Dihydro-5,6-dihydroxy-1*H*-inden-1-one, 9CI

CAS Registry Number: 124702-80-3
Structure by analogy with 4,7-Dihydroxy-1-indanone, FNF99-W

Molecular Formula: $C_9H_8O_3$
Molecular Weight: 164.16
Accurate Mass: 164.047345
Percentage Composition: C 65.85%; H 4.91%; O 29.24%
Physical Description: Yellow cryst.
Melting Point: Mp 245°

>>**Derivative:** Di-Me ether
Synonym(s): 2,3-Dihydro-5,6-dimethoxy-1*H*-inden-1-one, 9CI. 5,6-Dimethoxy-1-indanone

CAS Registry Number: 2107-69-9
Molecular Formula: $C_{11}H_{12}O_3$
Molecular Weight: 192.214
Accurate Mass: 192.078645
Percentage Composition: C 68.74%; H 6.29%; O 24.97%
Physical Description: Needles (petrol)
Melting Point: Mp 120°
Boiling Point: Bp_2 138-139°
Aldrich: 14782-6
Fluka: 38765

>>**Derivative:** Di-Me ether, oxime

CAS Registry Number: 15547-61-2
Molecular Formula: $C_{11}H_{13}NO_3$
Molecular Weight: 207.229
Accurate Mass: 207.089544
Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%
Physical Description: Cryst.
Melting Point: Mp 196-197°

>>**Derivative:** Di-Me ether, semicarbazone

CAS Registry Number: 18028-28-9
Physical Description: Pale yellow cryst.
Melting Point: Mp 234-235° (dec.)

>>**Derivative:** Methylene ether
Synonym(s): 5,6-Methylenedioxy-1-indanone

CAS Registry Number: 6412-87-9
Molecular Formula: $C_{10}H_8O_3$
Molecular Weight: 176.171
Accurate Mass: 176.047345
Percentage Composition: C 68.18%; H 4.58%; O 27.25%
Physical Description: Cryst. (C_6H_6/petrol)
Melting Point: Mp 164-165°

References:

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