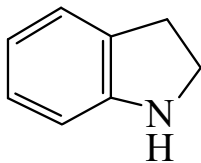




>>Entry Name: **2,3-Dihydro-1*H*-indole**, 9CI

Synonym(s): Indoline, 8CI. 1-Azaindane



CAS Registry Number: 496-15-1

Molecular Formula: C₈H₉N

Molecular Weight: 119.166

Accurate Mass: 119.073499

Percentage Composition: C 80.63%; H 7.61%; N 11.75%

Source/Synthesis: Manuf. by hydrogenation of Indole [HCM26-E](#)

Use/Importance: Intermed. for pharmaceuticals and pesticides

Physical Description: Oil

Boiling Point: Bp 228-230°. Bp₂ 70-75°

Refractive Index: n_D²⁵ 1.5883

Aldrich: I-560-5

Fluka: 57240

Sigma: I9757

>>Derivative: Hydrochloride

CAS Registry Number: 4170-68-7

Melting Point: Mp 219°

>>Derivative: *N*-Formyl

Synonym(s): 2,3-Dihydro-1*H*-indole-1-carboxaldehyde, 9CI. *N*-Formylindoline

CAS Registry Number: 2861-59-8

Molecular Formula: C₉H₉NO

Molecular Weight: 147.176

Accurate Mass: 147.068414

Percentage Composition: C 73.45%; H 6.16%; N 9.52%; O 10.87%

Physical Description: Off-white solid (CH₂Cl₂/hexane)

Melting Point: Mp 63-64°

>>Derivative: *N*-Ac

CAS Registry Number: 16078-30-1

Molecular Formula: C₁₀H₁₁NO

Molecular Weight: 161.203

Accurate Mass: 161.084064

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 105°

Hazard & Toxicity: LD₅₀ (mus, ipr) 204 mg/kg

Aldrich: 37949-2

Rare Chemicals Library: S68134-2

>>Derivative: *N*-Benzoyl

CAS Registry Number: 61589-14-8

Molecular Formula: C₁₅H₁₃NO

Molecular Weight: 223.274

Accurate Mass: 223.099714

Percentage Composition: C 80.69%; H 5.87%; N 6.27%; O 7.17%

Physical Description: Cryst.

Melting Point: Mp 118°

Rare Chemicals Library: S89634-9