



>>Entry Name: 5-Aminoindole

Synonym(s): 1*H*-Indol-5-amine, 9CI. 5-Indolylamine

CAS Registry Number: 5192-03-0

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

Percentage Composition: C 72.70%; H 6.10%; N 21.20%

Physical Description: Fine needles (petrol)

Melting Point: Mp 127-129°

Aldrich: A5965-4

Fluka: 8245

>>Derivative: Hydrochloride

CAS Registry Number: 65795-92-8

Melting Point: Mp 255-257°

>>Derivative: 5-*N*-Ac

CAS Registry Number: 7145-71-3

Molecular Formula: C₁₀H₁₀N₂O

Molecular Weight: 174.202

Accurate Mass: 174.079313

Percentage Composition: C 68.95%; H 5.79%; N 16.08%; O 9.18%

Melting Point: Mp 117-118°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₅H₁₂N₂O

Molecular Weight: 236.273

Accurate Mass: 236.094963

Percentage Composition: C 76.25%; H 5.12%; N 11.86%; O 6.77%

Melting Point: Mp 168-169°

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **2**, 661D, (*ir*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1503A, (*ir*)
Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 524B, (*nmr*)
Harley-Mason, J. *et al.*, *J.C.S.*, 1954, 1158, (*synth*)
DeMcGraw, J.I. *et al.*, *J. Med. Chem.*, 1964, **7**, 389, (*deriv*)
Russell, H.F. *et al.*, *Org. Prep. Proced. Int.*, 1985, **17**, 391, (*synth*)