



>>Entry Name: 6-Aminoindole

Synonym(s): 1*H*-Indol-6-amine, 9CI. 6-Indolylamine

CAS Registry Number: 5318-27-4

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

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

Physical Description: Cryst. (MeOH)

Melting Point: Mp 66-67°

Other Data: Dec. in light

>>Derivative: Hydrochloride

Physical Description: Pale-yellow cryst. (Et₂O)

Melting Point: Mp 241-242°

Other Data: Dec. in light

>>Derivative: 6-*N*-Ac

CAS Registry Number: 171896-30-3

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%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 170-171°

>>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 158-159°

References:

Majima, R. *et al.*, *Ber.*, 1930, **63**, 2237-2245, (*synth*)

Brown, R.C. *et al.*, *J.A.C.S.*, 1954, **76**, 5149-5150, (*synth*)

Johnson, H.E. *et al.*, *J.O.C.*, 1963, **28**, 2794-2797, (*synth*)

Toste, F.D. *et al.*, *Org. Prep. Proced. Int.*, 1995, **27**, 576-579, (*synth*, *N-Ac*, *ir*, *pmr*, *cmr*, *ms*)