



>>Entry Name: 4-Aminoindole

Synonym(s): 1*H*-Indol-4-amine, 9CI

CAS Registry Number: 5192-23-4

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. (Et₂O/petrol)

Melting Point: Mp 105-107°

>>Derivative: 4-*N*-Ac

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 154-156°

>>Derivative: 4-*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%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 195-196°

References:

Plieninger, H., *Chem. Ber.*, 1955, **88**, 370, (*synth*)

Walton, E. *et al.*, *J.O.C.*, 1968, **33**, 192, (*synth, uv, deriv*)

Bakke, J., *Acta Chem. Scand., Ser. B*, 1974, **28**, 134, (*synth*)