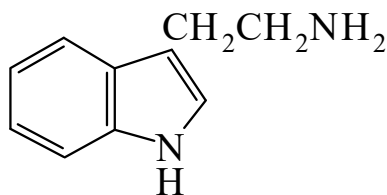




>>Entry Name: Tryptamine

ENTRY UNDER REVIEW

Synonym(s): 1*H*-Indole-3-ethanamine, 9Cl. 3-(2-Aminoethyl)indole. 2-(3-Indolyl)ethanamine



CAS Registry Number: 61-54-1

Related CAS Registry Numbers(s): 54268-28-9

Molecular Formula: C₁₀H₁₂N₂

Molecular Weight: 160.218

Accurate Mass: 160.100048

Percentage Composition: C 74.97%; H 7.55%; N 17.48%

Biological Source: Occurs widely in plants, esp. *Acacia* spp., *Lens esculenta* (lentil) and *Prosopis juliflora* (Leguminosae) and the fungi *Panaeolus foenisicii* and *Coprinus micaceus*. Also obt. from the gorgonian *Paramuricia chamaeleon*

Use/Importance: Shows psychotropic effects. Metab. precursor of indoleacetic acid

Physical Description: Needles (petrol)

Melting Point: Mp 118°

Boiling Point: Bp_{0.15} 137°

Solubility: V. spar. sol. Et₂O, CHCl₃, C₆H₆

pKa Value: pK_{a1} -6.31; pK_{a2} 10.2 (25°)

Calculated Log P Data: Log P 1.27 (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) *ca.* 223 mg/kg

Aldrich: 19374-7

Fluka: 93640

Sigma: T9511

>>Derivative: Hydrochloride

CAS Registry Number: 343-94-2

Physical Description: Needles (EtOH/EtOAc)

Melting Point: Mp 248°

Hazard & Toxicity: LD₅₀ (mus, ipr) 197 mg/kg

Aldrich: 24655-7

Fluka: 93650

Sigma: T9628

>>Derivative: Picrate

Physical Description: Dark-red prisms (Et₂O)

Melting Point: Mp 247 dec.°

>>Derivative: N^b-Ac

Synonym(s): N^b-Acetyltryptamine

CAS Registry Number: 1016-47-3

Molecular Formula: C₁₂H₁₄N₂O

Molecular Weight: 202.255

Accurate Mass: 202.110613

Percentage Composition: C 71.26%; H 6.98%; N 13.85%; O 7.91%

Biological Source: Alkaloid from leaves of *Prosopis nigra* (Leguminosae)

Melting Point: Mp 77°

Rare Chemicals Library: S30362-3