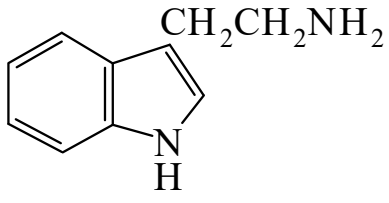
>>**Entry Name: Tryptamine**
ENTRY UNDER REVIEW
Synonym(s): 1*H*-Indole-3-ethanamine, 9Cl. 3-(2-Aminoethyl)indole. 2-(3-Indolyl)ethylamine



CAS Registry Number: 61-54-1
Related CAS Registry Numbers(s): 54268-28-9

Molecular Formula: $C_{10}H_{12}N_2$
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 *Prosopsis juliflora* (Leguminosae) and the fungi *Ponaeolus 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. Et_2O, $CHCl_3$, C_6H_6
pKa Value: pK_{a1} –6.31; pK_{a2} 10.2 (25°)
Calculated Log P Data: Log P 1.27 (calc)
Hazard & Toxicity: LD_{50} (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: LD_{50} (mus, ipr) 197 mg/kg

Aldrich: 24655-7
Fluka: 93650
Sigma: T9628

>>**Derivative:** Picrate

Physical Description: Dark-red prisms (Et_2O)
Melting Point: Mp 247 dec.°

>>**Derivative:** N^b-Ac
Synonym(s): **N^b-Acetyltryptamine**

CAS Registry Number: 1016-47-3

Molecular Formula: $C_{12}H_{14}N_2O$
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