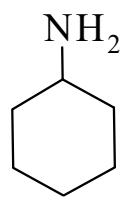
>>**Entry Name: Cyclohexylamine**
ENTRY UNDER REVIEW
Synonym(s): Cyclohexanamine, 9CI. Aminocyclohexane. Hexahydroaniline



CAS Registry Number: 108-91-8

Molecular Formula: $C_6H_{13}N$
Molecular Weight: 99.175
Accurate Mass: 99.104799
Percentage Composition: C 72.67%; H 13.21%; N 14.12%
Source/Synthesis: Gut microflora metabolite of Cyclohexylsulfamic acid CXT50-E
Biological Source: Isol. from *Toddalia asiatica*
Use/Importance: Corrosion inhibitor
Physical Description: Liq. with strong amine odour
Melting Point: Fp –18°
Boiling Point: Bp 134°. Bp_{20} 36-34°
Solubility: Misc. H_2O, org. solvs.
Density: d_{25}^{25} 0.865
Refractive Index: n_D^{25} 1.4565
Other Data: Strong base. Forms azeotrope with H_2O contg. 55.8% H_2O, Bp 96.4°
Hazard & Toxicity: Flammable, fl. p. 21/31°, autoignition temp. 260°. Vapour irritates eyes and respiratory tract. Liquid is corrosive to skin and eyes. Toxic by skin absorption causing gastrointestinal effects. LD_{50} (rat, orl) 156 mg/kg. LD_{50} (rbt, skn) 277 mg/kg. Exp. reprod. and teratogenic effects. OES: long-term 10 ppm (Sk)

Aldrich: 24064-8
Fluka: 29310
Sigma: C6380

>>**Derivative:** Hydrochloride

CAS Registry Number: 4998-76-9
Melting Point: Mp 206-207°
Solubility: Sol. H_2O, EtOH

Rare Chemicals Library: S92650-7

>>**Derivative:** Hydrobromide

CAS Registry Number: 26227-54-3
Melting Point: Mp 195°
Sigma: C2528

>>**Derivative:** Picrate
Melting Point: Mp 91-92°

>>**Derivative:** *N*-Formyl
Synonym(s): *N*-Cyclohexylformamide, 9CI

CAS Registry Number: 766-93-8
Molecular Formula: $C_7H_{13}NO$
Molecular Weight: 127.186
Accurate Mass: 127.099714
Percentage Composition: C 66.11%; H 10.30%; N 11.01%; O 12.58%
Boiling Point: Bp_{22} 155-157°

Aldrich: 12068-5