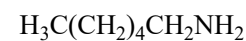




>>Entry Name: 1-Hexylamine

Synonym(s): 1-Hexanamine, 9Cl. 1-Aminohexane

CAS Registry Number: 111-26-2



Molecular Formula: $\text{C}_6\text{H}_{15}\text{N}$

Molecular Weight: 101.191

Accurate Mass: 101.120449

Percentage Composition: C 71.22%; H 14.94%; N 13.84%

Biological Source: Metab. of *Claviceps purpurea* and *Claviceps microcephala*

Melting Point: Fp -19°

Boiling Point: Bp₇₄₂ $129-130^\circ$

pKa Value: $\text{p}K_{\text{a}}$ 10.56 (25°)

Hazard & Toxicity: Flammable, fl. p. 29° (oc). Severe skin and eye irritant. LD₅₀ (rat, orl) 670 mg/kg. LD₅₀ (rbt, skn) 420 mg/kg

Aldrich: 21970-3

Fluka: 53131

Rare Chemicals Library: S41421-2

Sigma: H3507

>>Derivative: Hydrochloride

CAS Registry Number: 142-81-4

Physical Description: Leaflets

Melting Point: Mp 219°

>>Derivative: *N*-Ac

Molecular Formula: $\text{C}_8\text{H}_{17}\text{NO}$

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Boiling Point: Bp₁₄ 152°

>>Derivative: *N*-Me

CAS Registry Number: 35161-70-7

Molecular Formula: $\text{C}_7\text{H}_{17}\text{N}$

Molecular Weight: 115.218

Accurate Mass: 115.136099

Percentage Composition: C 72.97%; H 14.87%; N 12.16%

Boiling Point: Bp $140-142^\circ$ (137°)

Density: d 0.76

Refractive Index: n_{D}^{20} 1.4160

>>Derivative: *N,N*-Di-Me

CAS Registry Number: 4385-04-0

Molecular Formula: $\text{C}_8\text{H}_{19}\text{N}$

Molecular Weight: 129.245

Accurate Mass: 129.151749

Percentage Composition: C 74.35%; H 14.82%; N 10.84%

Boiling Point: Bp $146-150^\circ$

Refractive Index: n_{D}^{20} 1.4136

Aldrich: 30810-2

Fluka: 40660

References: