



>>Entry Name: 1-Heptylamine, 8Cl

Synonym(s): 1-Heptanamine, 9Cl. 1-Aminoheptane

CAS Registry Number: 111-68-2

$\text{H}_3\text{C}(\text{CH}_2)_5\text{CH}_2\text{NH}_2$

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%

Biological Source: Present in teak (*Tectona grandis*) wood

Melting Point: Fp -23°

Boiling Point: Bp 155.25°

pKa Value: $\text{p}K_{\text{a}}$ 10.66 (25°)

Refractive Index: n_{D}^{17} 1.4268

Hazard & Toxicity: Flammable, fl. p. 35°

Aldrich: 12680-2

Fluka: 51960

Sigma: H3750

>>Derivative: Hydrochloride

CAS Registry Number: 142-93-8

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 246°

>>Derivative: Picrate

Physical Description: Yellow needles

Melting Point: Mp $120-122^\circ$

>>Derivative: *N*-Ac

CAS Registry Number: 14202-55-2

Molecular Formula: $\text{C}_9\text{H}_{19}\text{NO}$

Molecular Weight: 157.255

Accurate Mass: 157.146664

Percentage Composition: C 68.74%; H 12.18%; N 8.91%; O 10.17%

Boiling Point: Bp₁ 123° . Bp₁₃ 155°

>>Derivative: *N*-Me

CAS Registry Number: 36343-05-2

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 168°

Fluka: 51995

>>Derivative: *N*-Me, picrate

Melting Point: Mp 97°

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

CAS Registry Number: 5277-11-2

Molecular Formula: $\text{C}_9\text{H}_{21}\text{N}$

Molecular Weight: 143.272

Accurate Mass: 143.167399

Percentage Composition: C 75.45%; H 14.77%; N 9.78%

Boiling Point: Bp 172°

Fluka: 40440