



>>Entry Name: Dipropylamine, 8Cl
Synonym(s): *N*-Propyl-1-propanamine, 9Cl

CAS Registry Number: 142-84-7
(H₃CCH₂CH₂)₂NH

Molecular Formula: C₆H₁₅N
Molecular Weight: 101.191
Accurate Mass: 101.120449
Percentage Composition: C 71.22%; H 14.94%; N 13.84%
Physical Description: Liq. with ammoniacal odour
Melting Point: Mp -63°
Boiling Point: Bp 110°
Density: d₄²⁰ 0.74
pKa Value: pK_a 11 (25°, H₂O)
Other Data: Forms a monohydrate

Hazard & Toxicity: Mod. toxic, irritant. Highly flammable, fl. p. 17°, autoignition temp. 299°. Skin, eye and respiratory tract irritant. LD₅₀ (rat, orl) 460 mg/kg

Aldrich: 24008-7
Fluka: 43480

>>Derivative: Hydrochloride

CAS Registry Number: 5326-84-1
Melting Point: Mp 274.5-275° (269-271°)

>>Derivative: Hydrobromide

CAS Registry Number: 7334-96-5
Melting Point: Mp 271°

>>Derivative: Hydroiodide

CAS Registry Number: 14488-46-1
Physical Description: Needles (EtOH)
Melting Point: Mp 230-235 dec.°

>>Derivative: Picrate

CAS Registry Number: 16639-71-7
Physical Description: Yellow cryst. (nonpolar solvs.), orange cryst.(polar solvs.)
Melting Point: Mp 76° (yellow form). Mp 97° (orange form)

>>Derivative: *N*-Me
Synonym(s): Methyldipropylamine

CAS Registry Number: 3405-42-3
Molecular Formula: C₇H₁₇N
Molecular Weight: 115.218
Accurate Mass: 115.136099
Percentage Composition: C 72.97%; H 14.87%; N 12.16%
Boiling Point: Bp 117°
Density: d₂₀²⁰ 0.743
Refractive Index: n_D²⁰ 1.4076

>>Derivative: *N*-Me, picrate

Melting Point: Mp 92-93°