



>>Entry Name: Benzylamine, 8Cl

Synonym(s): Benzenemethanamine, 9Cl. α -Aminotoluene. Moringine

CAS Registry Number: 100-46-9

PhCH₂NH₂

Molecular Formula: C₇H₉N

Molecular Weight: 107.155

Accurate Mass: 107.073499

Percentage Composition: C 78.46%; H 8.47%; N 13.07%

Biological Source: Alkaloid from *Moringa oleifera* and *Moringa pterygosperma* (Moringaceae)

Use/Importance: Reagent for gc anal. of alkyl isocyanates

Boiling Point: Bp 185°. Bp₁₂ 90°

Density: d₄¹⁹ 0.983

pKa Value: pK_a 8.82 (20°, 60% dioxan aq.)

Refractive Index: n_D²⁰ 1.5401

Other Data: Absorbs CO₂ from air

Hazard & Toxicity: Fl. p. 63°. Reacts violently with *N*-haloimides. Corrosive and irritating to all tissues

Aldrich: 18570-1

Fluka: 13190

Sigma: B6625

Supelco: 44-2483

>>Derivative: Hydrochloride

CAS Registry Number: 3287-99-8

Melting Point: Mp 255-257°

Aldrich: 21425-6

Rare Chemicals Library: S64313-0

Sigma: B5136

>>Derivative: Hydrobromide

CAS Registry Number: 37488-40-7

Melting Point: Mp 204°

Rare Chemicals Library: S69668-4

>>Derivative: Hydroiodide

CAS Registry Number: 45579-91-7

Physical Description: Leaflets

Melting Point: Mp 162°

>>Derivative: Picrate

Melting Point: Mp 194°

>>Derivative: Sulfate

CAS Registry Number: 2208-34-6

Physical Description: Needles

Melting Point: Mp 93°