



>>Entry Name: *N*-Ethylaniline, 8Cl

Synonym(s): *N*-Ethylbenzenamine, 9Cl. Anilinoethane

CAS Registry Number: 103-69-5

PhNHEt

Molecular Formula: C₈H₁₁N

Molecular Weight: 121.182

Accurate Mass: 121.089149

Percentage Composition: C 79.29%; H 9.15%; N 11.56%

Physical Description: Liq.

Melting Point: Fp -80°

Boiling Point: Bp 204.72°. Bp₁₀ 83.8°

Density: d₄²⁰ 0.963

pKa Value: pK_a 5.12 (25°)

Refractive Index: n_D²⁰ 1.5560

Hazard & Toxicity: Fl. p. 85° (oc), autoignition temp. 479°. Violent reaction with nitric acid. LD₅₀ (rat, orl) 334 mg/kg

Aldrich: 42638-5

Fluka: 3050

>>Derivative: Hydrochloride

CAS Registry Number: 4348-19-0

Physical Description: Needles

Melting Point: Mp 176°

>>Derivative: *N*-Formyl

Synonym(s): *N*-Ethylformanilide

CAS Registry Number: 5461-49-4

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Physical Description: Liq.

Boiling Point: Bp₈ 114-115°

Rare Chemicals Library: S56081-2

>>Derivative: *N*-Ac

Synonym(s): *N*-Ethylacetanilide

CAS Registry Number: 529-65-7

Molecular Formula: C₁₀H₁₃NO

Molecular Weight: 163.219

Accurate Mass: 163.099714

Percentage Composition: C 73.59%; H 8.03%; N 8.58%; O 9.80%

Physical Description: Cryst.

Melting Point: Mp 55°

Hazard & Toxicity: LD₅₀ (mus, orl) 409 mg/kg

Rare Chemicals Library: S42827-2

>>Derivative: *N*-Benzoyl

Synonym(s): *N*-Ethylbenzanilide

CAS Registry Number: 16466-44-7

Molecular Formula: C₁₅H₁₅NO

Molecular Weight: 225.29

Accurate Mass: 225.115364

Percentage Composition: C 79.97%; H 6.71%; N 6.22%; O 7.10%

Physical Description: Cryst. (petrol)

Melting Point: Mp 59°