



>>Entry Name: 4-Aminobenzylamine

Synonym(s): 4-Aminobenzenemethanamine, 9Cl. Toluene- α ,4-diamine, 8Cl. α -Amino-*p*-toluidine. α ,4-Diaminotoluene. 4-(Aminomethyl)aniline

CAS Registry Number: 4403-71-8

Molecular Formula: $C_7H_{10}N_2$

Molecular Weight: 122.169

Accurate Mass: 122.084398

Percentage Composition: C 68.82%; H 8.25%; N 22.93%

Boiling Point: Bp 268-270°. Bp₁₀ 142-143°

Density: d^{20}_4 1.08

Aldrich: 36846-6

>>Derivative: N^α -Ac

Molecular Formula: $C_9H_{12}N_2O$

Molecular Weight: 164.207

Accurate Mass: 164.094963

Percentage Composition: C 65.83%; H 7.37%; N 17.06%; O 9.74%

Physical Description: Platelets (CHCl₃/Et₂O)

Melting Point: Mp 99-101°

>>Derivative: N^α -Benzoyl

CAS Registry Number: 32478-65-2

Molecular Formula: $C_{14}H_{14}N_2O$

Molecular Weight: 226.277

Accurate Mass: 226.110613

Percentage Composition: C 74.31%; H 6.24%; N 12.38%; O 7.07%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 142-143°

>>Derivative: N^α, N^4 -Dibenzoyl

Molecular Formula: $C_{21}H_{18}N_2O_2$

Molecular Weight: 330.385

Accurate Mass: 330.136828

Percentage Composition: C 76.34%; H 5.49%; N 8.48%; O 9.69%

Melting Point: Mp 212-213°

>>Derivative: N^α -Me

CAS Registry Number: 38020-69-8

Molecular Formula: $C_8H_{12}N_2$

Molecular Weight: 136.196

Accurate Mass: 136.100048

Percentage Composition: C 70.55%; H 8.88%; N 20.57%

Boiling Point: Bp₃ 116-117°

>>Derivative: N^α, N^α -Di-Me

CAS Registry Number: 6406-74-2

Molecular Formula: $C_9H_{14}N_2$

Molecular Weight: 150.223

Accurate Mass: 150.115698

Percentage Composition: C 71.96%; H 9.39%; N 18.65%

Boiling Point: Bp₁₆ 133°