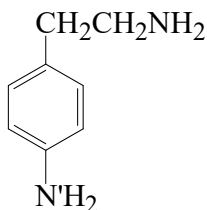




>>Entry Name: 2-(4-Aminophenyl)ethylamine

Synonym(s): 4-Aminobenzeneethanamine, 9Cl. 4-(2-Aminoethyl)aniline



CAS Registry Number: 13472-00-9

Molecular Formula: C₈H₁₂N₂

Molecular Weight: 136.196

Accurate Mass: 136.100048

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

Use/Importance: Reagent for linking carbohydrates to carriers and polymer supports

Physical Description: Needles (C₆H₆)

Melting Point: Mp 28-31°. Mp 62-63°

Boiling Point: Bp_{0.3} 103°

Density: d²⁰ 1.03

Refractive Index: n_D²⁰ 1.5910

Aldrich: 12305-6

Fluka: 9192

>>Derivative: Hydrochloride (1:2)

Extra CAS Registry Numbers(s): 29968-79-4 102606-30-4

Physical Description: Cryst.

Melting Point: Mp 296°

>>Derivative: Picrate

Physical Description: Prisms (H₂O)

Melting Point: Mp 223-224°

>>Derivative: *N*-Ac

Extra CAS Registry Numbers(s): 40377-41-1

Physical Description: Prisms (H₂O) (as hydrochloride)

Melting Point: Mp 191-192° (hydrochloride)

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

Molecular Formula: C₁₂H₁₆N₂O₂

Molecular Weight: 220.271

Accurate Mass: 220.121178

Percentage Composition: C 65.43%; H 7.32%; N 12.72%; O 14.53%

Physical Description: Cryst. (EtOH/C₆H₆)

Melting Point: Mp 190-192°

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₅H₁₆N₂O

Molecular Weight: 240.304

Accurate Mass: 240.126263

Percentage Composition: C 74.97%; H 6.71%; N 11.66%; O 6.66%

Physical Description: Large prisms (EtOAc)

Melting Point: Mp 133.5-134.5°

>>Derivative: *N*-Benzoyl; hydrochloride

Physical Description: Hexagonal leaves (H₂O)

Melting Point: Mp 283-285°