



>>Entry Name: 4-Amino-3-methylphenol, 9CI
Synonym(s): 4-Amino-*m*-cresol. 4-Hydroxy-*o*-toluidine

CAS Registry Number: 2835-99-6

Molecular Formula: C₇H₉NO
Molecular Weight: 123.154
Accurate Mass: 123.068414
Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%
Physical Description: Prisms (EtOH aq.)
Melting Point: Mp 179°
Hazard & Toxicity: LD₅₀ (mus, ipr) 200 mg/kg

Aldrich: 14489-4
Fluka: 8329

>>Derivative: Hydrochloride

Physical Description: Needles (conc. HCl)
Melting Point: Mp 215°

>>Derivative: *N*-Ac

CAS Registry Number: 39495-15-3
Molecular Formula: C₉H₁₁NO₂
Molecular Weight: 165.191
Accurate Mass: 165.078979
Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%
Physical Description: Needles (H₂O)
Melting Point: Mp 130°

>>Derivative: *O*-Benzoyl

Molecular Formula: C₁₄H₁₃NO₂
Molecular Weight: 227.262
Accurate Mass: 227.094629
Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%
Physical Description: Needles (petrol)
Melting Point: Mp 92°
Boiling Point: Bp₁₂ 220°

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

Molecular Formula: C₁₀H₁₃NO₂
Molecular Weight: 179.218
Accurate Mass: 179.094629
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 228-231°

>>Derivative: Me ether

Synonym(s): 4-Methoxy-2-methylaniline. 4-Amino-3-methylanisole. *m*-Cresidine

CAS Registry Number: 102-50-1
Molecular Formula: C₈H₁₁NO
Molecular Weight: 137.181
Accurate Mass: 137.084064
Percentage Composition: C 70.04%; H 8.08%; N 10.21%; O 11.66%
Physical Description: Cryst. (petrol)
Melting Point: Mp 29-30°
Boiling Point: Bp₂₃ 146-147°
Hazard & Toxicity: Exp. carcinogen

Aldrich: M1500-1