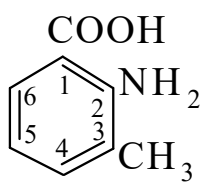




>>Entry Name: 2-Amino-3-methylbenzoic acid, 9CI

Synonym(s): 2-Amino-*m*-toluic acid, 8CI. 3-Methylantranilic acid



CAS Registry Number: 4389-45-1

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Prisms (H₂O)

Melting Point: Mp 176°. Mp 172°

pKa Value: pK_{a1} 4.92 (25°, H₂O)

Aldrich: A6220-5

Fluka: 8401

>>Derivative: Me ester

CAS Registry Number: 22223-49-0

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: Oil

>>Derivative: *N*-Ac

CAS Registry Number: 67081-69-0

Molecular Formula: C₁₀H₁₁NO₃

Molecular Weight: 193.202

Accurate Mass: 193.073894

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Physical Description: Needles (H₂O)

Melting Point: Mp 204-205° (194°)

pKa Value: pK_{a1} 4.05 (20°, 1% EtOH)

>>Derivative: Amide

CAS Registry Number: 1885-32-1

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 149°

>>Derivative: Nitrile

Synonym(s): 2-Cyano-6-methylaniline

CAS Registry Number: 69797-49-5

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

Percentage Composition: C 72.70%; H 6.10%; N 21.20%

Physical Description: Cryst.

Melting Point: Mp 39°

Other Data: Steam-volatile

References: