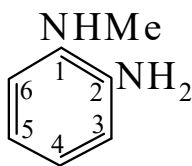




>>Entry Name: *N*-Methyl-1,2-benzenediamine, 9CI

Synonym(s): *N*-Methyl-*o*-phenylenediamine, 8CI. *N*-Methyl-1,2-diaminobenzene. *o*-Methylaminoaniline



CAS Registry Number: 4760-34-3

Molecular Formula: C₇H₁₀N₂

Molecular Weight: 122.169

Accurate Mass: 122.084398

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

Melting Point: Mp 22°

Boiling Point: Bp₇₃₆ 245-248°. Bp₁₃ 131-133°

Other Data: Darkens rapidly in air

Aldrich: 39898-5

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 25148-68-9

Use/Importance: Used as soln. in EtOH for photometric detn. of Se (λ_{max} 346 nm, ϵ 19000)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 191°

Solubility: Sol. EtOH, alkalis

>>Derivative: 1,2-*N*-Di-Ac

Molecular Formula: C₁₁H₁₄N₂O₂

Molecular Weight: 206.244

Accurate Mass: 206.105528

Percentage Composition: C 64.06%; H 6.84%; N 13.58%; O 15.52%

Physical Description: Plates (H₂O)

Melting Point: Mp 172°

>>Derivative: 1,2-*N*-Dibenzoyl

Molecular Formula: C₂₁H₁₈N₂O₂

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 152.8-153.8°

References:

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