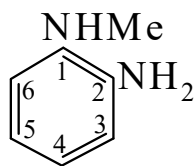




>>Entry Name: *N*-Methyl-1,2-benzenediamine, 9Cl

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



CAS Registry Number: 4760-34-3

Molecular Formula: C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>

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: Bp<sub>736</sub> 245-248°. Bp<sub>13</sub> 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 ( $\lambda_{\max}$  346 nm,  $\epsilon$  19000)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 191°

Solubility: Sol. EtOH, alkalis

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

Molecular Formula: C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>

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 (H<sub>2</sub>O)

Melting Point: Mp 172°

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

Molecular Formula: C<sub>21</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

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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