



Synonym(s): 2-(Methylamino)phenol, 9CI. *o*-Hydroxy-*N*-methylaniline

CAS Registry Number: 611-24-5

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: Plates (C₆H₆/petrol)

Melting Point: Mp 96-97°

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

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: Cryst. (Et₂O/petrol)

Melting Point: Mp 152-153°

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

CAS Registry Number: 3743-16-6

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 (toluene/hexane)

Melting Point: Mp 160°

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

Synonym(s): 2-(Dimethylamino)phenol. 2-Hydroxy-*N,N*-dimethylaniline

CAS Registry Number: 3743-22-4

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: Prisms

Melting Point: Mp 45°

Boiling Point: Bp 199-200°

pKa Value: pK_a 10.62 (25°, 0.1M KCl)

>>Derivative: *N*-Benzyl

Synonym(s): 2-Benzylaminophenol

CAS Registry Number: 46425-95-0

Molecular Formula: C₁₃H₁₃NO

Molecular Weight: 199.252

Accurate Mass: 199.099714

Percentage Composition: C 78.36%; H 6.58%; N 7.03%; O 8.03%

Physical Description: Pale brown plates (cyclohexane)

Melting Point: Mp 89-90°

>>Derivative: *N*-Benzylidene

Synonym(s): 2-(Benzylideneamino)phenol. 2-[(Phenylmethylene)amino]phenol, 9CI. *N*-Benzylidene-2-aminophenol

CAS Registry Number: 3230-45-3

Molecular Formula: C₁₃H₁₁NO

Molecular Weight: 197.236

Accurate Mass: 197.084064

Percentage Composition: C 79.17%; H 5.62%; N 7.10%; O 8.11%

Physical Description: Yellow solid

Melting Point: Mp 95°

>>Derivative: Me ether

>>Derivative: Et ether