



>>Entry Name: **2,4-Diaminophenol**, 9Cl, 8Cl
Synonym(s): 4-Hydroxy-*m*-phenylenediamine

CAS Registry Number: 95-86-3

Molecular Formula: C₆H₈N₂O
Molecular Weight: 124.142
Accurate Mass: 124.063663
Percentage Composition: C 58.05%; H 6.50%; N 22.57%; O 12.89%
Physical Description: Leaflets
Melting Point: Mp 78-80 dec.°
Other Data: Unstable and rapidly darkens in air

Rare Chemicals Library: S63758-0

>>Derivative: Hydrochloride (1:2)
Synonym(s): Amidol‡

CAS Registry Number: 137-09-7
Use/Importance: Used in photographic developers and hair dyes
Hazard & Toxicity: Mild irritant and allergen

Aldrich: 23010-3
Fluka: 33230
Rare Chemicals Library: S67791-4
Sigma: D8029

>>Derivative: Sulfate
Synonym(s): Diamol

CAS Registry Number: 74283-34-4
Use/Importance: Used in photographic developers

>>Derivative: 1,2,4-Tri-Ac

Molecular Formula: C₁₂H₁₄N₂O₄
Molecular Weight: 250.254
Accurate Mass: 250.095358
Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%
Melting Point: Mp 180-182°

>>Derivative: Me ether
Synonym(s): 4-Methoxy-1,3-benzenediamine. 2,4-Diamino-1-methoxybenzene. 2,4-Diaminoanisole

CAS Registry Number: 615-05-4
Molecular Formula: C₇H₁₀N₂O
Molecular Weight: 138.169
Accurate Mass: 138.079313
Percentage Composition: C 60.85%; H 7.29%; N 20.27%; O 11.58%
Physical Description: Needles
Melting Point: Mp 68°
Hazard & Toxicity: Possible human carcinogen. Skin irritant. LD₅₀ (rat, orl) 460 mg/kg. Exp. reprod. effects

>>Derivative: Me ether, N⁴-Ac
Synonym(s): *N*-(3-Amino-4-methylphenyl)acetamide, 9Cl, 8Cl. 3'-Amino-4'-methoxyacetanilide

CAS Registry Number: 6375-47-9
Molecular Formula: C₉H₁₂N₂O₂
Molecular Weight: 180.206
Accurate Mass: 180.089878
Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%
Use/Importance: Dye stuff intermediate
Physical Description: Cryst.
Melting Point: Mp 110-110.5°
Hazard & Toxicity: Poss. carcinogen