



>>Entry Name: 2-Amino-5-nitrophenol, 9Cl

CAS Registry Number: 121-88-0

Molecular Formula: $C_6H_6N_2O_3$

Molecular Weight: 154.125

Accurate Mass: 154.037843

Percentage Composition: C 46.76%; H 3.92%; N 18.18%; O 31.14%

Use/Importance: Dyestuffs intermediate

Physical Description: Orange needles (H_2O)

Melting Point: Mp 207-208°

Hazard & Toxicity: Poss. mutagen (equivocal data)

Aldrich: A7060-7

Fluka: 8930

Rare Chemicals Library: S41904-4

>>Derivative: *O*-(4-Methylbenzenesulfonyl)

Physical Description: Light-yellow cryst. (EtOH or AcOH)

Melting Point: Mp 188°

>>Derivative: *O,N*-Di-Ac

Molecular Formula: $C_{10}H_{10}N_2O_5$

Molecular Weight: 238.199

Accurate Mass: 238.058973

Percentage Composition: C 50.42%; H 4.23%; N 11.76%; O 33.58%

Physical Description: Needles (H_2O)

Melting Point: Mp 187°

>>Derivative: *N*-Me

Molecular Formula: $C_7H_8N_2O_3$

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Physical Description: Orange needles (H_2O)

Melting Point: Mp 188°

>>Derivative: *N*-Di-Me

CAS Registry Number: 14703-77-6

Molecular Formula: $C_8H_{10}N_2O_3$

Molecular Weight: 182.179

Accurate Mass: 182.069143

Percentage Composition: C 52.74%; H 5.53%; N 15.38%; O 26.35%

Physical Description: Bright-red needles

Melting Point: Mp 79°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-4-nitroaniline. 2-Methoxy-4-nitrobenzenamine. 4-Nitro-*o*-anisidine, 8Cl. 2-Amino-5-nitroanisole

CAS Registry Number: 97-52-9

Molecular Formula: $C_7H_8N_2O_3$

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Physical Description: Pale yellow needles

Melting Point: Mp 139-140°

Hazard & Toxicity: LD₅₀ (rat, orl) 997 mg/kg

Aldrich: 11263-1

Rare Chemicals Library: S44329-8