>>**Entry Name: 2-Amino-6-nitrophenol,** 9CI

CAS Registry Number: 603-87-2

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%
Physical Description: Red needles (EtOH)
Melting Point: Mp 111-112°

>>**Derivative:** *N*-Me
Synonym(s): 2-(Methylamino)-6-nitrophenol

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: Deep-red needles
Melting Point: Mp 78°

>>**Derivative:** Me ether
Synonym(s): 2-Methoxy-3-nitroaniline. 2-Methoxy-3-nitrobenzenamine, 9CI. 3-Nitro-*o*-anisidine, 8CI. 2-Amino-6-nitroanisole

CAS Registry Number: 85-45-0
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: Yellow needles (petrol)
Melting Point: Mp 67°

>>**Derivative:** Me ether, *N*-Ac
Synonym(s): 2-Methoxy-3-nitroacetanilide

Molecular Formula: $C_9H_{10}N_2O_4$
Molecular Weight: 210.189
Accurate Mass: 210.064058
Percentage Composition: C 51.43%; H 4.80%; N 13.33%; O 30.45%
Physical Description: Pale-yellow prisms (MeOH)
Melting Point: Mp 103-104°

>>**Derivative:** Et ether
Synonym(s): 3-Nitro-*o*-phenetidine. 2-Amino-6-nitrophenetole

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: Greenish-yellow cryst.
Melting Point: Mp 37-37.5°

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