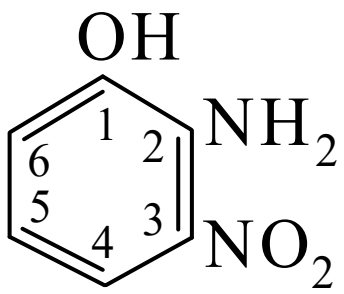
>>**Entry Name: 2-Amino-3-nitrophenol,** 9CI



CAS Registry Number: 603-85-0

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%
Physical Description: Red needles (H_2O)
Melting Point: Mp 216-217° (210-212°)

Aldrich: 29700-3
Fluka: 8907

>>**Derivative:** *N*-Ac

CAS Registry Number: 59820-29-0
Molecular Formula: $C_8H_8N_2O_4$
Molecular Weight: 196.162
Accurate Mass: 196.048408
Percentage Composition: C 48.98%; H 4.11%; N 14.28%; O 32.62%
Physical Description: Yellow cryst.
Melting Point: Mp 172°

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

Physical Description: Yellow cryst.
Melting Point: Mp 136°

>>**Derivative:** *N*-Me
Synonym(s): 2-(Methylamino)-3-nitrophenol, 9CI

CAS Registry Number: 163298-74-6
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: Dark red grains (EtOH/Et_2O)
Melting Point: Mp 123-124°

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

CAS Registry Number: 16554-45-3
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 orange needles (EtOH aq.)
Melting Point: Mp 75.5-76°

>>**Derivative:** Me ether, *N*-Ac
Synonym(s): 2-Methoxy-6-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 needles (EtOH aq.)
Melting Point: Mp 158-159°