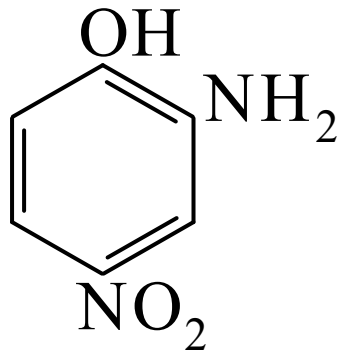
>>**Entry Name: 2-Amino-4-nitrophenol,** 9CI
ENTRY UNDER REVIEW



CAS Registry Number: 99-57-0

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: Orange prisms
Melting Point: Mp 142-143°. Mp 176-177°. Mp 195-198°
Hazard & Toxicity: Eye irritant. LD_{50} (mus, orl) 850 mg/kg. Exp. neoplastic agent

Aldrich: A7040-2
Fluka: 8920

>>**Derivative:** *N*-Ac
Synonym(s): 2'-Hydroxy-5'-nitroacetanilide

CAS Registry Number: 97-60-9
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: Cryst. (AcOH)
Melting Point: Mp 278-279°

>>**Derivative:** *N*-(Bromoacetyl)

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

Molecular Formula: $C_{13}H_{12}N_2O_5S$
Molecular Weight: 308.314
Accurate Mass: 308.046693
Percentage Composition: C 50.64%; H 3.92%; N 9.09%; O 25.95%; S 10.40%
Physical Description: Yellow needles (AcOH or EtOH)
Melting Point: Mp 122°

>>**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
Melting Point: Mp 110°

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

CAS Registry Number: 14703-76-5
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: Orange needles (EtOH)
Melting Point: Mp 100°