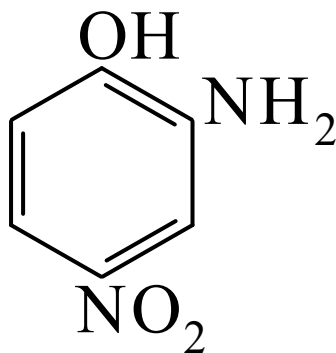




>>Entry Name: 2-Amino-4-nitrophenol, 9CI
ENTRY UNDER REVIEW



CAS Registry Number: 99-57-0

Molecular Formula: C₆H₆N₂O₃

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. LD₅₀ (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: C₈H₈N₂O₄

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: C₁₃H₁₂N₂O₅S

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: C₇H₈N₂O₃

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: C₈H₁₀N₂O₃

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°