



Melting Point: Mp 109-110°

>>Derivative: 1-*N*-Di-Me

CAS Registry Number: 5367-54-4

Molecular Formula: C₈H₁₁N₃O₂

Molecular Weight: 181.194

Accurate Mass: 181.085127

Percentage Composition: C 53.03%; H 6.12%; N 23.19%; O 17.66%

Physical Description: Violet-red cryst. (EtOH)

Melting Point: Mp 113-114°

>>Derivative: 1-*N*-Di-Me, 4-*N*-Ac

Synonym(s): 4-Dimethylamino-3-nitroacetanilide

Molecular Formula: C₁₀H₁₃N₃O₃

Molecular Weight: 223.231

Accurate Mass: 223.095692

Percentage Composition: C 53.81%; H 5.87%; N 18.82%; O 21.50%

Physical Description: Maroon parallelepipeds (H₂O), orange-yellow needles (C₆H₆)

Melting Point: Mp 132° (H₂O). Mp 122-123° (C₆H₆)

Other Data: Dimorphic

>>Derivative: 1,4-*N*-Di-Me

CAS Registry Number: 2784-93-2

Molecular Formula: C₈H₁₁N₃O₂

Molecular Weight: 181.194

Accurate Mass: 181.085127

Percentage Composition: C 53.03%; H 6.12%; N 23.19%; O 17.66%

Physical Description: Black blades with metallic lustre

Melting Point: Mp 114°

>>Derivative: 1,4-*N*-Di-Me, 4-*N*-Ac

CAS Registry Number: 10228-06-5

Molecular Formula: C₁₀H₁₃N₃O₃

Molecular Weight: 223.231

Accurate Mass: 223.095692

Percentage Composition: C 53.81%; H 5.87%; N 18.82%; O 21.50%

Physical Description: Orange needles (EtOH)

Melting Point: Mp 154°

>>Derivative: 4-*N*-Di-Me

Synonym(s): 4-Amino-*N,N*-dimethyl-3-nitroaniline

CAS Registry Number: 16293-12-2

Molecular Formula: C₈H₁₁N₃O₂

Molecular Weight: 181.194

Accurate Mass: 181.085127

Percentage Composition: C 53.03%; H 6.12%; N 23.19%; O 17.66%

Physical Description: Red needles

Melting Point: Mp 112°

>>Derivative: 4-*N*-Di-Me, 1-*N*-Ac

Synonym(s): *p*-Dimethylamino-2-nitroacetanilide

Physical Description: Red needles

Melting Point: Mp 116°

References: