Extra CAS Registry Numbers(s): 27215-51-6

Molecular Formula: $C_{10}H_{16}N_2$
Molecular Weight: 164.25
Accurate Mass: 164.131348
Percentage Composition: C 73.13%; H 9.82%; N 17.06%
Use/Importance: Used as a 0.25% soln. in aq. soln. of citric acid for photometric detn. of O_3 (λ_{max} 565 nm)
Physical Description: Cryst.
Melting Point: Mp 49-51°
Boiling Point: Bp 260°
Other Data: Stains deep blue on standing in air

Aldrich: 16020-2
Fluka: 87888
Sigma: T7394

>>**Derivative:** *N*,*N*,*N*',*N*'-Tetra-Me; hydrochloride (1:2)

CAS Registry Number: 637-01-4
Melting Point: Mp 222-224°
Aldrich: 23469-9
Fluka: 87890
Sigma: T3134

>>**Derivative:** *N*-Et

CAS Registry Number: 5840-09-5
Molecular Formula: $C_8H_{12}N_2$
Molecular Weight: 136.196
Accurate Mass: 136.100048
Percentage Composition: C 70.55%; H 8.88%; N 20.57%
Physical Description: Liq.
Boiling Point: Bp 261-262°

>>**Derivative:** *N*,*N*-Di-Et
Synonym(s): *N*,*N*-Diethyl-1,4-phenylenediamine. 4-(Diethylamino)aniline

CAS Registry Number: 93-05-0

Molecular Formula: $C_{10}H_{16}N_2$
Molecular Weight: 164.25
Accurate Mass: 164.131348
Percentage Composition: C 73.13%; H 9.82%; N 17.06%
Use/Importance: Used as a soln. in 50% H_2SO_4 for photometric detn. of $S^{2(-)}$, Cl_2
Physical Description: Liq.
Boiling Point: Bp 260-262°
Hazard & Toxicity: Irritant. Can cause dermatitis

Aldrich: 26151-3
Fluka: 7660
Rare Chemicals Library: S55943-1

>>**Derivative:** *N*,*N*'-Di-Et

CAS Registry Number: 3010-30-8
Molecular Formula: $C_{10}H_{16}N_2$
Molecular Weight: 164.25
Accurate Mass: 164.131348
Percentage Composition: C 73.13%; H 9.82%; N 17.06%
Physical Description: Cryst. (petrol)
Melting Point: Mp 47°
Boiling Point: $Bp_{1.2}$ 120°