



Melting Point: Mp 280°

>>**Derivative:** Diamide

CAS Registry Number: 1740-57-4

Molecular Formula: C₈H₈N₂O₂

Molecular Weight: 164.163

Accurate Mass: 164.058578

Percentage Composition: C 58.53%; H 4.91%; N 17.06%; O 19.49%

Melting Point: Mp 280°

>>**Derivative:** Diamide, *N,N'*-dihydroxy

Synonym(s): *N,N'*-Dihydroxybenzenedicarboxamide, 9CI. *N,N'*-Dihydroxyisophthalamide. Isophthaldihydroxamic acid

CAS Registry Number: 20073-81-8

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%

Use/Importance: Used as a 0.4*M* aq. soln. for extraction-photometric detn. of Mn ($\lambda_{\max}$ 480 nm, ϵ 8500), V, Mo(*VI*) ($\lambda_{\max}$ 350 nm, ϵ 6050)

Physical Description: Cryst.

Solubility: Sol. H₂O, EtOH

>>**Derivative:** Dinitrile

Synonym(s): 1,3-Dicyanobenzene

CAS Registry Number: 626-17-5

Molecular Formula: C₈H₄N₂

Molecular Weight: 128.133

Accurate Mass: 128.037448

Percentage Composition: C 74.99%; H 3.15%; N 21.86%

Melting Point: Mp 161.5-162°

Solubility: Sl. sol. hot H₂O; sol. hot EtOH

Hazard & Toxicity: Eye irritant. LD₅₀ (rat, orl) 1860 mg/kg

Aldrich: 14585-8

Fluka: 59230

Sigma: I9256

>>**Derivative:** Anhydride

Synonym(s): 3-Oxabicyclo[3.3.1]nona-1(9),5,7-triene-2,4-dione, 9CI

CAS Registry Number: 4891-67-2

Molecular Formula: C₈H₄O₃

Molecular Weight: 148.118

Accurate Mass: 148.016045

Percentage Composition: C 64.87%; H 2.72%; O 32.41%

Boiling Point: Subl. 183°

Solubility: Sol. C₆H₆

>>**Derivative:** Dihydrazide

CAS Registry Number: 2760-98-7

Molecular Formula: C₈H₁₀N₄O₂

Molecular Weight: 194.193

Accurate Mass: 194.080376

Percentage Composition: C 49.48%; H 5.19%; N 28.85%; O 16.48%

Use/Importance: Tuberculostatic agent. Cross-linking agent for epoxy resins

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 227° (220°)

Other: PB 108610

References: