



CERTIFICATE OF ANALYSIS

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1. Identification

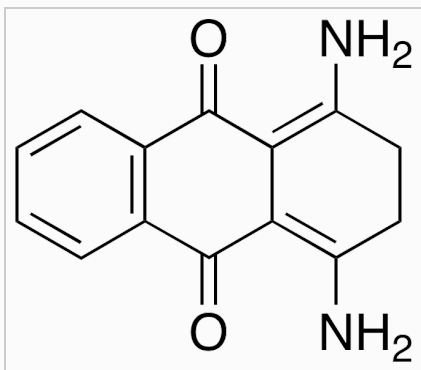
Catalogue Number: D416280

CAS Number: 81-63-0

Product: 1,4-Diamino-2,3-dihydroanthraquinone

Synonym: 1,4-Diamino-2,3-dihydro-9,10-anthracenedione; 2,3-Dihydro-1,4-diamino

Structure:



Molecular Formula:

C₁₄H₁₂N₂O₂

Molecular weight:

240.26

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 1-ZNL-83-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Very Dark Green to Very Dark Brown Solid	Very Dark Green to Very Dark Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 69.74, %H: 4.82, %N: 11.36
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	98.10% (260 nm)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 2 : 0.1; Visualized with UV and Ninhydrin; R_f = 0.60. Elemental Analysis: (Theoretical) %C: 69.99, %H: 5.03, %N: 11.66

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Eric Beaton	My Nguyen	11/8/2019	11/6/2026