



CERTIFICATE OF ANALYSIS

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1. Identification

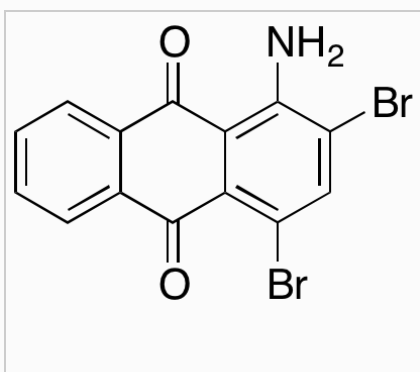
Catalogue Number: A604460

CAS Number: 81-49-2

Product: 1-Amino-2,4-dibromo-anthraquinone

Synonym: NSC 3529; 1-Amino-2,4-dibromo-9,10-anthracenedione; 1-Amino-2,4-dibromo-9,10-anthraquinone; 1-Amino-2,4-dibromoanthraquinone;

Structure:



Molecular Formula:

C₁₄H₇Br₂NO₂

Molecular weight:

381.02

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly)

Lot Number: 4-JSH-48-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|-----------------------|-------------------------------|
| Appearance | Red to Dark Red Solid | Red to Dark Red Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 43.43, %H: 1.53, %N: 3.89 |
| MS | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 98.64% (250 nm) |

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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 | Toni Rantanen | Chanell Chu | 5/18/2023 | 5/16/2027 |