



CERTIFICATE OF ANALYSIS

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1. Identification

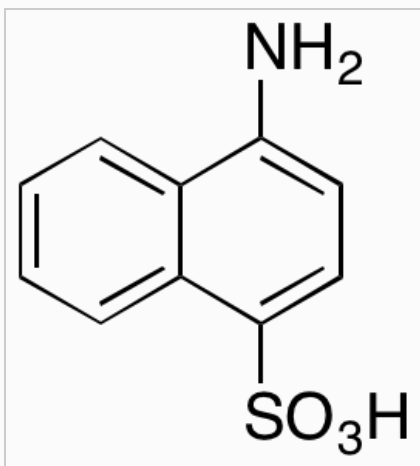
Catalogue Number: A618335

CAS Number: 84-86-6

Product: 4-Amino-1-naphthalenesulfonic Acid

Synonym: 1,4-Naphthionic acid; 1-Amino-4-sulfonaphthalene; 1-Naphthylamine-4-sulfonic acid; 4-Amino-1-naphthalenesulfonic acid; NSC 4155; Naphthionic acid; Piria's acid; α -Naphthylamine-4-sulfonic acid

Structure:



Molecular Formula:

$C_{10}H_9NO_3S$

Molecular weight:

223.25

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
DMSO (Slightly), Methanol
(Slightly)

Lot Number: 2023-ZEA-082

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Brown Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.93% (220 nm)
Elemental Analysis	Conforms	%C: 52.34, %H: 4.08, %N: 6.04

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
Henry Tieu	Toni Rantanen	Chanell Chu	3/15/2023	3/13/2027