



CERTIFICATE OF ANALYSIS

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1. Identification

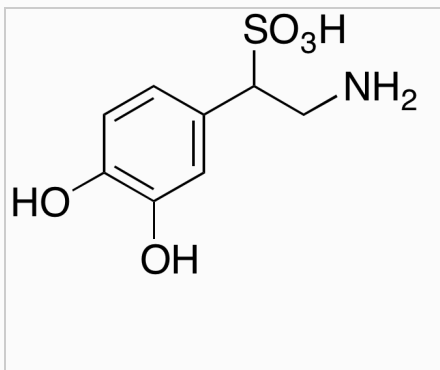
Catalogue Number: N674530

CAS Number: 24159-36-2

Product: Norepinephrine Sulfonic Acid

Synonym: α -(Aminomethyl)-3,4-dihydroxy-benzenemethanesulfonic Acid;

Structure:



Molecular Formula:

C₈H₁₁NO₅S

Molecular weight:

233.24

Source of Product:

Synthetic

Solubility:

DMSO (Slightly, Heated),
Water (Slightly, Heated)

Lot Number: 18-BHW-47-1

Purity: 97%

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:
NMR	Conforms to Structure	Conforms
Appearance	Pale Red to Grey Solid	Pale Grey Solid
TGA	Report Result	See Additional Information
HPLC Purity	Report Result	99.97% (200 nm)
MS	Conforms to Structure	Conforms
Water Content	Report Result	0.9% by Karl Fischer

Additional Information:

The sample was tested by TGA, initiated in a nitrogen environment. The initial degradation onset temperature was measured at 87.5°C. The second and third degradation onset temperatures were measured at 285.9°C and 715.1°C, respectively. The environment was changed to air at 800.0°C. The sample had 0.2% of its weight remaining at 996.7°C.

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
Nicole Yip	Toni Rantanen	Christina Gouliaras	6/16/2022	6/14/2026
				