



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

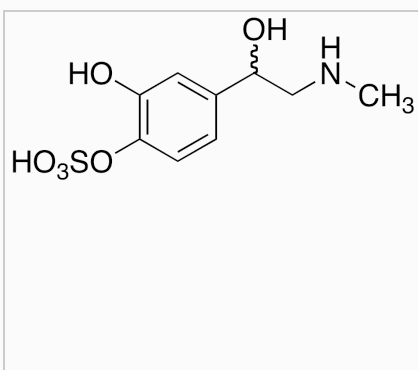
Catalogue Number: E588595

CAS Number: 21093-18-5

Product: Epinephrine 4-O-Sulfate Ester

Synonym: 4-[1-Hydroxy-2-(methylamino)ethyl]-1,2-benzenediol 1-(Hydrogen Sulfate); 3,4-Dihydroxy- α -[(methylamino)methyl]benzyl Alcohol 4-(Hydrogen Sulfate);

Structure:



Molecular Formula:

C₉H₁₃NO₆S

Molecular weight:

263.27

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 9-BSR-34-3

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	Pale Brown to Light Brown Solid	Pale Brown to Light Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 40.69, %H: 4.95, %N: 5.44
HPLC Purity	Report Result	97.93% (200 nm)
MS	Conforms to Structure	Conforms

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
Swathi Reddy	Toni Rantanen	Chanell Chu	10/21/2022	10/19/2026