



CERTIFICATE OF ANALYSIS

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1. Identification

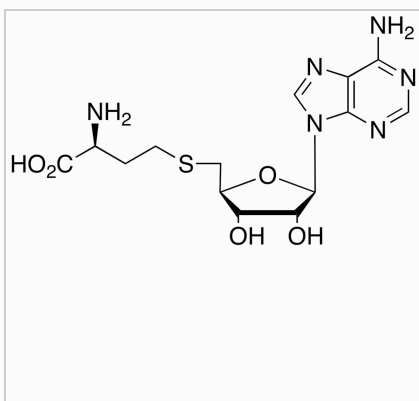
Catalogue Number: A291500

CAS Number: 979-92-0

Product: S-(5'-Adenosyl)-L-homocysteine

Synonym: S-(5'-Deoxyadenosin-5'-yl)-L-homocysteine; L-5'-S-(3-Amino-3-carboxypropyl)-5'-thioadenosine; Adenosyl-L-homocysteine; Adenosylhomocysteine; L-S-Adenosylhomocysteine; S-Adenosyl-L-homocysteine; S-Adenosylhomocysteine;

Structure:



Molecular Formula:

C₁₄H₂₀N₆O₅S

Molecular weight:

384.41

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly),
DMSO (Slightly), Water
(Slightly)

Lot Number: 15-FLI-168-1

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:
Specific Rotation	Report Result	+36.3° (c = 0.7, 0.1N Sulfuric Acid)
Appearance	White to Brown Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 41.26, %H: 5.53, %N: 20.84
HPLC Purity	Report Result	98.58% (205 nm)
MS	Conforms to Structure	Conforms
Water Content	Report Result	~5.7% based on Elemental Analysis

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 ± 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	4/27/2022	4/25/2026

