



## CERTIFICATE OF ANALYSIS

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### 1. Identification

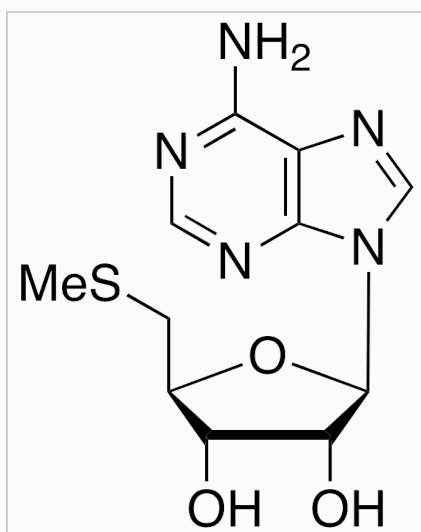
**Catalogue Number:** D242600

**CAS Number:** 2457-80-9

**Product:** 5'-Deoxy-5'-(methylthio)adenosine

**Synonym:** 5'-S-Methyl-5'-thioadenosine; 5'-(Methylthio)-5'-deoxyadenosine; 5'-(Methylthio)adenosine; 5'-Deoxy(methylthio)adenosine; 5'-S-Methyl-5'-thioadenosine; 5'-S-Methylthioadenosine; NSC 335422; Vitamin L2; 1-(6-Amino-9H-purin-9-yl)-1-deoxy-5-S-methyl-5-thio-β-D-ribofuranose;

**Structure:**



**Molecular Formula:**

C<sub>11</sub>H<sub>15</sub>N<sub>5</sub>O<sub>3</sub>S

**Molecular weight:**

297.33

**Source of Product:**

Synthetic

**Solubility:**

DMF (Sparingly), DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 5-MIK-4-1

**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:**

Appearance

White to Off-White Solid

White to Off-White Solid

NMR

Conforms to Structure

Conforms

MS

Conforms to Structure

Conforms

HPLC Purity

Report Result

97.78% (205 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 ± 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**

Sarbjeeet Kaur

**Reviewed By**

Toni Rantanen

**C of A Approved  
By**

Chanell Chu

**Test Date**

8/11/2022

**Retest Date**

8/9/2026