



## CERTIFICATE OF ANALYSIS

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### 1. Identification

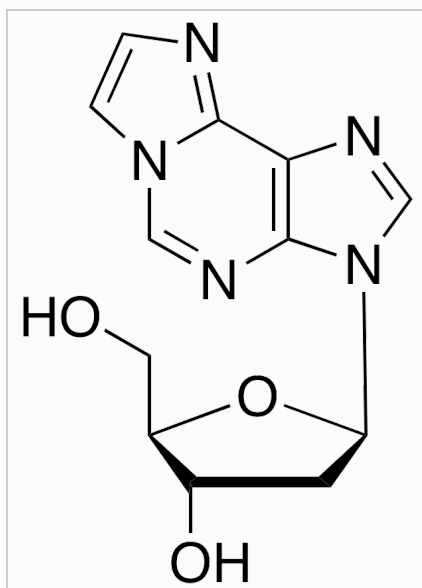
**Catalogue Number:** E890380

**CAS Number:** 68498-25-9

**Product:** Etheno-2'-deoxy-b-D-adenosine

**Synonym:** 3-(2-Deoxy-β-D-erythro-pentofuranosyl)-3H-imidazo[2,1-i]purine; 1,N6-Etheno-2'-deoxyadenosine; 1,N6-Etheno-dA; 1,N6-Ethenodeoxyadenosine; Ethenodeoxyadenosine; N1,N6-Etheno-2'-deoxyadenosine;

**Structure:**



**Molecular Formula:**

C<sub>12</sub>H<sub>12</sub>N<sub>6</sub>O

**Molecular weight:**

275.26

**Source of Product:**

Synthetic

**Solubility:**

DMSO (Slightly), Methanol (Slightly)

**Lot Number:** 5-SKC-28-1

**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         | White to Pale Yellow Solid | Off-White to Pale Yellow Solid |
| NMR                | Conforms to Structure      | Conforms                       |
| MS                 | Conforms to Structure      | Conforms                       |
| Elemental Analysis | Conforms                   | %C: 48.70, %H: 4.86, %N: 23.39 |
| Specific Rotation  | Report Result              | -7.8° (c = 0.2, Methanol)      |
| Water Content      | Report Result              | 6.8% by Karl Fischer           |
| HPLC Purity        | >95%                       | 98.48% (230 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

| <b>Reviewed By</b>  | <b>Reviewed By</b>  | <b>C of A Approved By</b>   | <b>Test Date</b> | <b>Retest Date</b> |
|---|---|---|------------------|--------------------|
| Xhoana Gjergji  | Toni Rantanen   | My Nguyen   | 1/22/2021        | 1/20/2025          |
|  |  |  |                  |                    |