

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD026001-01)

Release Date: 10/07/2024

Re-test Date: 09/07/2027

## Nitroso Dipyridamole Related Compound D

### Identification

**Chemical Name :**

N-(6-(bis(2-hydroxyethyl)amino)-4,8-di(piperidin-1-yl)pyrimido[5,4-d]pyrimidin-2-yl)-N-(2-hydroxyethyl)nitrous amide

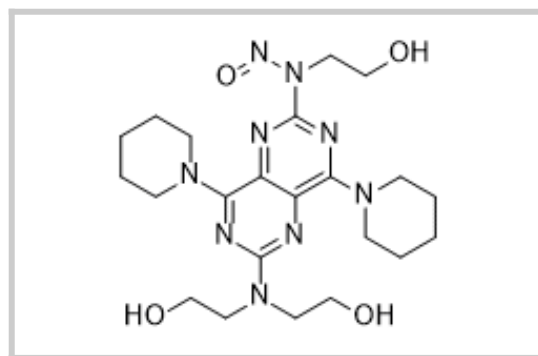
**Alt. Name** : N-Nitroso Dipyridamole USP Related Compound D

**CAT No.** : KMD026001

**CAS No.** : Not Available

**Molecular Formula** : C<sub>22</sub>H<sub>35</sub>N<sub>9</sub>O<sub>4</sub>

**Molecular Weight** : 489.57



### Analytical Information

**Batch No.** : DIP-RCD-NO-073-178

**Solubility** : ACN

**Description** : Yellow Solid

**Mass** : Confirm

**HPLC Purity** : 98.21 %

**IR** : Confirm

**Weight Loss By TGA** : 0.61 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 97.61 %

**<sup>13</sup>C NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency** = [100 - 0.61(Weight Loss By TGA)] x [98.21(HPLC Purity)]/100 = 97.61 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/07/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA