

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV007001-01)

Release Date: 29/04/2024

Re-test Date: 28/04/2027

## N-Nitroso Vancomycin Impurity

### Identification

**Chemical Name :**

22H-8,11,18,21-Dietheno-23,36-(iminomethano)-13,16:31,35-dimetheno-1H,16H-[1,6,9]oxadiazacyclohexadecino[4,5-m][10,2,16]benzoxadiazacyclotetracosine

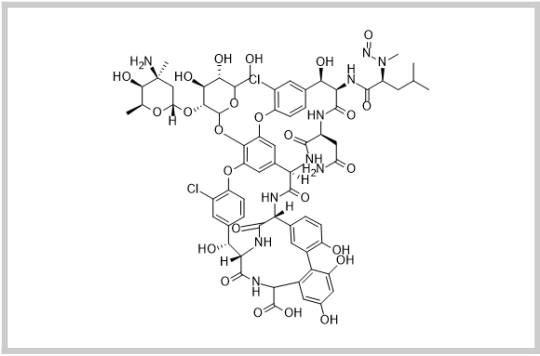
**Alt. Name** : N-nitroso-vancomycin

**CAT No.** : KMV007001

**CAS No.** : 155386-25-7

**Molecular Formula** : C<sub>66</sub>H<sub>74</sub>Cl<sub>2</sub>N<sub>10</sub>O<sub>25</sub>

**Molecular Weight** : 1478.25



### Analytical Information

**Batch No.** : VAN-N-NO-073-185

**Description** : Off White Solid

**HPLC Purity** : 96.20 %

**Weight Loss By TGA** : 3.99 %

**% Potency** : 92.36 %

**Solubility** : Water

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H 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 - 3.99(Weight Loss By TGA)] x [96.20(HPLC Purity)]/100 = 92.36 %  
-Mixture Of Isomer

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		10/03/2025

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