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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

**Product Name: N-Nitroso Meropenem**

### Identification:

Chemical Name: (4R,5S,6S)-3-(((3S,5S)-5-(dimethylcarbamoyl)-1-nitrosopyrrolidin-3-yl)thio)-6-((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid

Synonyms : NA

CAS Number : NA

CAT Number : CP-M30011

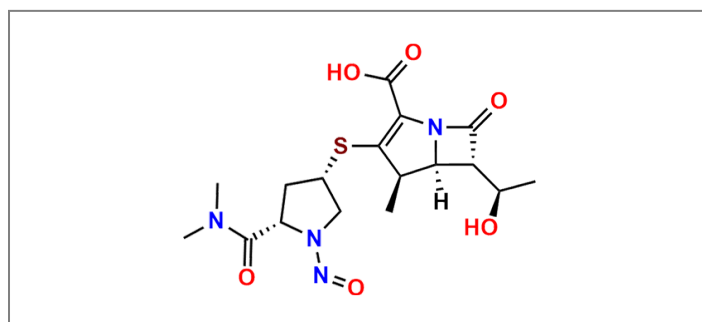
Molecular Formula : C<sub>17</sub>H<sub>24</sub>N<sub>4</sub>O<sub>6</sub>S

Molecular Weight : 412.46

Batch Number : CP-MER-NIT-0325

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Brown Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	90.60%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	<sup>13</sup> CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	5.542%
9)	Potency by TGA	85.58%



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.