

# CERTIFICATE OF ANALYSIS

Date: 04-04-2026

<b>Product Name</b>	<b>Ertapenem Impurity 16</b>		
<b>Chemical Name</b>	(4R,5S,6S)-3-(((3S,5S)-5-(2-(2S,4S)-4-(((4R,5S,6S)-2-carboxy-6-(R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-en-3-yl)thio)-2-((3-carboxyphenyl)carbamoyl)pyrrolidine-1-carbonyl)phenyl)carbamoyl)pyrrolidin-3-yl)thio)-6-((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid compound with (4R,5S,6S)-3-(((3S,5S)-5-(3-carboxyphenyl)carbamoyl)-1-((4R,5S,6S)-3-(((3S,5S)-5-(3-carboxyphenyl)carbamoyl)pyrrolidin-3-yl)thio)-6-((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carbonyl)pyrrolidin-3-yl)thio)-6-((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid (1:1)		
<b>Structure</b>			
<b>Batch No.</b>	-	<b>CAS No.</b>	NA
<b>Analysis Date</b>	-	<b>Retest Date</b>	5
<b>Mol. Formula</b>	C <sub>44</sub> H <sub>46</sub> N <sub>4</sub> O <sub>8</sub> S <sub>2</sub>	<b>Molecular WL</b>	833
<b>Long term Storage Condition</b>	Store at 2-8 °C in well closed container		
<b>Handling and Transit Condition</b>	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
<sup>1</sup> H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

**Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.**

	Prepared By	Checked By	Approved By
<b>Signature</b>			
<b>Date</b>			