



## CERTIFICATE OF ANALYSIS

Date: 30-01-2026

<b>Product Name</b>	<b>Ampicillin Related Compound 1</b>		
<b>Chemical Name</b>	(E)-3-(Hydroxymethylene)-6-phenylpiperazine-2,5-dione		
<b>Structure</b>	<p>The chemical structure shows a complex molecule with a central piperazine ring. It features two phenyl groups attached to the 6-position. The 3-position has a hydroxymethylene group (-CH(OH)CH=CH2). The 2-position has a carbonyl group (-C(=O)CH2-). The 5-position has another carbonyl group (-C(=O)CH2-). The molecule is shown in its sodium salt form, indicated by Na+ ions.</p>		
<b>Batch No.</b>	-	<b>CAS No.</b>	142975-48-2
<b>Analysis Date</b>	-	<b>Retest Date</b>	3
<b>Mol. Formula</b>	C <sub>11</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>	<b>Molecular Wt.</b>	218.2
<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		

<b>Test</b>	<b>Result</b>
Appearance	-
Solubility	-
1H-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.**

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

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