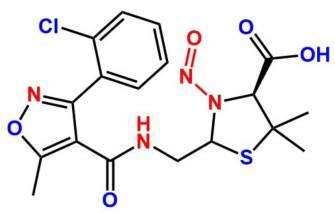


CERTIFICATE OF ANALYSIS

Date: 27-12-2024

| | | | |
|---------------------------------------|--|----------------------|--------|
| Product Name | N-Nitroso Cloxacillin Impurity B | | |
| Chemical Name | (4S)-2-((3-(2-chlorophenyl)-5-methylisoxazole-4-carboxamido)methyl)-5,5-dimethyl-3-nitrosothiazolidine-4-carboxylic acid | | |
| Structure |  <p>The chemical structure shows a thiazolidine ring system with a nitroso group (NO) at the 3-position and a carboxylic acid group (COOH) at the 4-position. A methyl group is attached to the 5-position of the thiazolidine ring. The 2-position of the thiazolidine ring is connected via a methylene bridge to the 4-position of an isoxazole ring. The isoxazole ring has a methyl group at the 5-position and a 2-chlorophenyl group at the 3-position. The nitrogen atom of the isoxazole ring is double-bonded to the oxygen atom.</p> | | |
| Inv. Status | - | CAS No. | NA |
| Analysis Date | - | Retest Date | - |
| Mol. Formula | C ₁₈ H ₁₉ ClN ₄ O ₅ S | Molecular Wt. | 438.88 |
| Long term Storage Condition | Store at 2-8 °C in well closed container | | |
| Handling and Transit Condition | 25-30 °C in well closed container | | |

| Test | Result |
|---|-----------------------|
| Appearance | - |
| Solubility | - |
| ¹ 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 |
|------------------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |

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