



CERTIFICATE OF ANALYSIS



Date: 11-02-2026

| | | | |
|---------------------------------------|---|----------------------|---------|
| Product Name | N-Nitroso Dasatinib Impurity 35 | | |
| Chemical Name | 2-((6-(4-(2-hydroxyethyl)piperazin-1-yl)-2-methylpyrimidin-4-yl)(nitroso)amino)-N-(2-(4-(2-hydroxyethyl)piperazin-1-yl)-6-methylphenyl)thiazole-5-carboxamide | | |
| Structure | <p>The chemical structure is a complex organic molecule. It features a central thiazole ring fused with a pyrimidine ring. The thiazole ring has a nitroso group (N=N=O) at position 2. The pyrimidine ring has a 4-methyl group and a 6-methylphenyl group attached. There are two piperazine rings: one at position 4 of the pyrimidine ring and another at position 2 of the thiazole ring. The piperazine ring at position 4 is linked to a 4-hydroxyethyl group. The piperazine ring at position 2 is linked to a 2-hydroxyethyl group. The 6-methylphenyl group is attached to the thiazole ring. The overall structure is a derivative of dasatinib with a nitroso group instead of the amine group.</p> | | |
| Batch No. | - | CAS No. | NA |
| Analysis Date | 39 | Retest Date | 5 |
| Mol. Formula | C ₂₈ H ₃₈ N ₁₀ O ₄ S | Molecular Wt. | 610.731 |
| 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 | - |
| 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.

| | Prepared By | Checked By | Approved By |
|------------------|--------------------|-------------------|--------------------|
| Signature | | | |
| Date | | | |

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