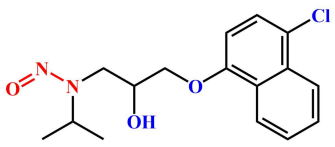


CERTIFICATE OF ANALYSIS

Date: 27-12-2024

| | | | |
|---------------------------------------|---|----------------------|--------|
| Product Name | N-Nitroso Propranolol Impurity 2 | | |
| Chemical Name | N-(3-((4-chloronaphthalen-1-yl)oxy)-2-hydroxypropyl)-N-isopropyl nitrous amide | | |
| Structure |  <p>The chemical structure shows a central 2-hydroxypropyl chain. One end is attached to an isopropyl group via a nitrogen atom that is also bonded to an oxygen atom, forming a nitroso group (N=O). The other end of the propyl chain is attached to a 4-chloronaphthalen-1-yl group via an oxygen atom. The chlorine atom is highlighted in blue in the original image.</p> | | |
| Inv. Status | - | CAS No. | NA |
| Analysis Date | - | Retest Date | - |
| Mol. Formula | C ₁₆ H ₁₉ ClN ₂ O ₃ | Molecular Wt. | 322.79 |
| 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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