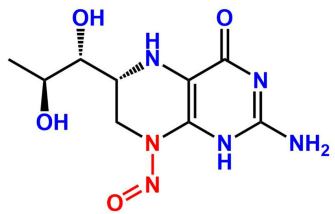


CERTIFICATE OF ANALYSIS

Date: 27-12-2024

| | | | |
|---------------------------------------|---|----------------------|--------|
| Product Name | Sapropterin Nitroso Impurity 1 | | |
| Chemical Name | (R)-2-amino-6-((1R,2S)-1,2-dihydroxypropyl)-8-nitroso-5,6,7,8-tetrahydropteridin-4(1H)-one | | |
| Structure |  <p>The chemical structure shows a pteridine ring system with a nitroso group (-NO) at position 8, an amino group (-NH₂) at position 2, and a (1R,2S)-1,2-dihydroxypropyl group at position 6. The pteridine ring is fused to a pyrimidine ring. The nitroso group is shown in red, and the amino group is in blue. The dihydroxypropyl group is shown in blue with stereochemistry indicated by wedges and dashes.</p> | | |
| Inv. Status | - | CAS No. | NA |
| Analysis Date | - | Retest Date | - |
| Mol. Formula | C ₉ H ₁₄ N ₆ O ₄ | Molecular Wt. | 270.25 |
| 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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