



CERTIFICATE OF ANALYSIS



Date: 10-02-2026

| | | | |
|---------------------------------------|---|----------------------|------------|
| Product Name | Dihydroberberine | | |
| Chemical Name | (4aS,8aR)-4a,5,7,8,9,10,11,12-Octahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-one; 3-Deoxy-1,2-dihydro-3-oxo-galanthamine; 2-Deoxy-2-oxo-lycoramine; Deoxyoxo-lycoramine; 6H-Benzofuro[3a,3,2-ef][2]benzazepine, (-)-Dihydrogalanthaminone; (-)-Lycoraminone; 1,2-Dihydro Galanthaminone | | |
| Structure | <p>The chemical structure of Dihydroberberine is a complex polycyclic compound. It features a central benzene ring fused with a five-membered benzofuran ring. The benzofuran ring is further fused with a six-membered pyridine-like ring. Attached to the pyridine ring is a methoxy group (-OCH3). The structure also includes a cyclohexane ring with a carbonyl group (-C=O) and a nitrogen atom, which is part of a pyrrolidine-like ring. There are several hydroxyl groups (-OH) and methyl groups (-CH3) distributed throughout the molecule, indicating its natural product nature.</p> | | |
| Batch No. | - | CAS No. | 21041-10-1 |
| Analysis Date | - | Retest Date | - |
| Mol. Formula | C ₁₇ H ₂₁ NO ₃ | Molecular Wt. | 287.3 |
| 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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