



CERTIFICATE OF ANALYSIS

Date: 12-02-2026

Product Name	N-Nitroso Dihydrocodeine Impurity D		
Chemical Name	(4R,4aR,7S,7aR,12bS)-7,9-dimethoxy-3-nitroso-2,3,4,4a,5,6,7,7a-octahydro-1H-4,12-methanobenzofuro[3,2-e]isoquinoline		
Structure	<p>The chemical structure is a complex polycyclic compound. It features a central benzene ring fused with a five-membered lactone ring. This lactone ring is further fused with a four-membered tetrahydronaphthalene ring. The tetrahydronaphthalene ring has a nitrogen atom at one of its vertices, which is substituted with a nitroso group (N=O). The structure also includes a methoxy group (-OCH3) on the benzene ring and a hydroxyl group (-OH) on the tetrahydronaphthalene ring.</p>		
Batch No.	-	CAS No.	NA
Analysis Date	4	Retest Date	5
Mol. Formula	C ₁₈ H ₂₂ N ₂ O ₄	Molecular Wt.	330.378
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%
<p>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.</p>	

	Prepared By	Checked By	Approved By
Signature			
Date			

CLEANCHEM LABORATORIES LLP

Plot No. A-737/2, TTC Industrial Area, MIDC Khairane, Navi Mumbai, Maharashtra, INDIA- 400710

sales@cleanchemlab.com +91-9324132198 www.cleanchemlab.com