

**fssai**

CERTIFICATE OF ANALYSIS



Date: 04-02-2026

Product Name	N-Nitroso Nimodipine Impurity 1		
Chemical Name	3-isopropyl 5-(2-methoxyethyl) 2-(hydroxymethyl)-6-methyl-4-(3-nitrophenyl)-1-nitroso-1,4-dihydropyridine-3,5-dicarboxylate		
Structure	<p>The chemical structure is a complex polycyclic compound. It features a central 1,4-dihydropyridine ring system. The 3-position of the ring has a nitroso group (N=O) and a 3-isopropyl group. The 4-position has a 3-nitrophenyl group. The 5-position has a 2-(hydroxymethyl) group. The 6-position has a methyl group. There are two carboxylate groups (COO-) attached to the ring at the 2 and 6 positions.</p>		
Batch No.	-	CAS No.	NA
Analysis Date	7	Retest Date	5
Mol. Formula	C ₂₁ H ₂₅ N ₃ O ₉	Molecular Wt.	463.4
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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