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## CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2025

Re-test Date: May 2028

**Product Name: Nimodipine EP Impurity C**

### Identification:

Chemical Name: Bis(2-methoxyethyl) 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

Synonyms : Nimodipine Related Compound  
B ; Cilnidipine Impurity A (IP)

CAS Number : 70172-96-2

CAT Number : CP-N16003

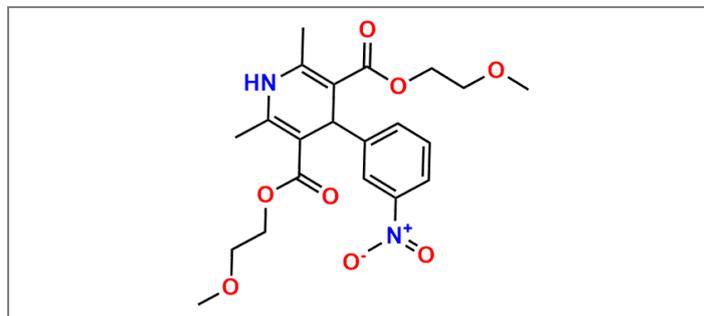
Molecular Formula : C<sub>21</sub>H<sub>26</sub>N<sub>2</sub>O<sub>8</sub>

Molecular Weight : 434.44

Batch Number : CHEM-NIM-C

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/CDCl <sub>3</sub>
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.63%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to structure
7)	IR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.