



CERTIFICATE OF ANALYSIS

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1. Identification

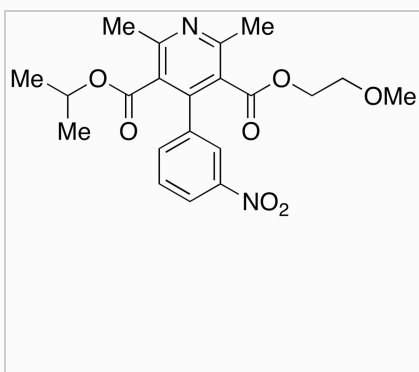
Catalogue Number: D230060

CAS Number: 85677-93-6

Product: Dehydro Nimodipine

Synonym: 2,6-Dimethyl-4-(3-nitrophenyl)-,3,5-pyridinedicarboxylic Acid 3-(2-Methoxyethyl) 5-(1-Methylethyl) Ester; 2,6-Dimethyl-4-(3-nitrophenyl)- 3,5-pyridinedicarboxylic Acid 2-Methoxyethyl 1-Methylethyl Ester; USP Nimodipine Related Compound A; Nimodipine EP Impurity A; Nimodipine USP Related Compound A

Structure:



Molecular Formula:

C₂₁H₂₄N₂O₇

Molecular weight:

416.42

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 4-URV-95-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Pale Yellow Thick Oil	Clear Pale Yellow Thick Oil
HPLC Purity	Report Result	99.38% (205 nm)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
Water Content	Report Result	1.1% by Karl Fischer
TGA	Report Result	See Additional Information

Additional Information:

The sample was tested by TGA, initiated in a nitrogen environment. The initial degradation onset temperature was measured at 227.1°C. The environment was changed to air at 800.0°C. The sample had 0% of its weight remaining at 996.8°C. No solvent detected based on HNMR.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	2/2/2023	1/31/2027
				