



Formula: C<sub>21</sub>H<sub>26</sub>N<sub>2</sub>O<sub>7</sub>

MW: 418.45

CAS: 66085-59-4

MDL NUMBER: MFCD00153848

Smiles: C(OCCOC)(=O)C=1C(C(C(OC(C)C)=O)=C(NC1C)C)c1cc([N+](=O)[O-])ccc1

THERAPEUTIC CATEGORY: Vasodilator (Cerebral)

ACCEPTORS: 7

DONORS: 1

ROTATION BONDS: 9

N+O: 9

Chiral Centers: 1

LogP: 4.13

LogS: -5.01

LIPINSKI: 4

Synonyms:

NIMOTOP;NIMODIPINE;PERIPLUM;ADMON;1,4-DIHYDRO-2,6-DIMETHYL-4-(3'-NITROPHENYL)-3,5-PYRIDINEDICARBOXYLIC ACID 2-METHOXYETHYL-1-METHYLETHYL ESTER;1,4-DIHYDRO-2,6-DIMETHYL-4-(3-NITROPHENYL)-3,5-PYRIDINEDICARBOXYLIC ACID 2-METHOXYETHYL 1-METHYLETHYL ESTER;1,4-DIHYDRO-2,6-DIMETHYL-4-(3-NITROPHENYL)-3,5-PYRIDINEDICARBOXYLIC ACID 2-METHYLOXYETHYL 1-METHYLETHYL ESTER;isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate

CAS:66085-59-4

MF:C21H26N2O7

MW:418.44

EINECS:266-127-0

Product Categories:Dihydropyridine Class Chemicals;Inhibitors;Intermediates & Fine Chemicals;Pharmaceuticals;API's;Calcium channel;Ion Channels;API Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate

Chemical Properties: mp 125C storage temp. Store at RT solubility methanol: 62.5 mg/mL form solid color white

CAS DataBase Reference: 66085-59-4(

CAS DataBase Reference: ) NIST Chemistry ReferenceNimodipine(66085-59-4) Xn Risk Statements 20/21/22 Safety Statements 36 WGK Germany 1 RTECS US7975500 Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate

Usage And Synthesis:

Chemical Properties: Crystalline Solid UsageUsed as a cerebral vasodilator. A dihydropyridine calcium channel blocker Biological ActivityL-type Ca<sup>2+</sup> channel blocker. Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate



