



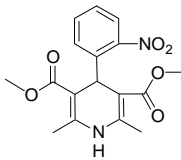
Certificate of Analysis

Axon Catalogue ID: 2068 **Batch Number:** 1

Product Name: Nifedipine

Alternative Name(s): Adalat; BAY-a1040

IUPAC Name: Dimethyl 2,6-dimethyl-4-(2-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

Structure:  **Amount:**

CAS number: 21829-25-4 **MW:** 346.33

Batch Molecular Formula: C₁₇H₁₈N₂O₆ **Batch MW:** 346.33

Appearance: Yellow solid **Observed mp:** 173 - 174 °C

TLC (R_f): 0.83 DCM/MeOH (9:1)

Chemical Purity: 99.6%

Optical Purity (ee):

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

Storage Conditions: Store at +4°C

Solubility Data:

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	34.6	>100 mM	Soluble
EtOH			Not Tested

Remarks: Microanalysis: Calcd. C 58.96, H 5.24, N 8.09; Found C 58.89, H 5.11, N 8.01.

QC Date: 5/2/2013

The purity of Axon products is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only