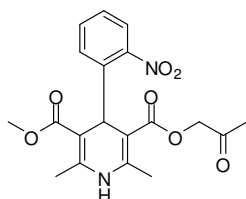




## Certificate of Analysis

**Axon Catalogue ID:** 3013 **Batch Number:** 1  
**Product Name:** Aranidipine  
**Alternative Name(s):** MPC-1304; Sapresta  
**IUPAC Name:** 3-Methyl 5-(2-oxopropyl) 2,6-dimethyl-4-(2-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

**Structure:**



**Amount:**

**CAS number(s):** 86780-90-7  
**Molecular Formula:** C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>7</sub> **Molecular Weight:** 388.37  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>7</sub> **Batch Molecular Weight:** 388.37  
**Appearance:** Yellow solid **Observed mp:** 147.5 - 148.5 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (20:1)  
**Chemical Purity:** 98.3%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 58.76, H 5.19, N 7.21; Found: C 58.99, H 5.04, N 7.12  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	38.8	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 20-09-2019

The purity of Axon Ligands 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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**