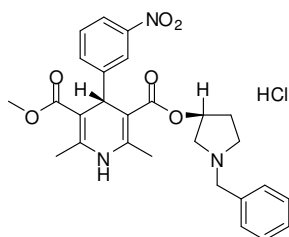


Certificate of Analysis

Axon Catalogue ID: 3014 **Batch Number:** 1
Product Name: Barnidipine hydrochloride
Alternative Name(s): YM 09730-5; Mepirodipine hydrochloride
IUPAC Name: (S)-3-((S)-1-Benzylpyrrolidin-3-yl) 5-methyl 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate hydrochloride

Structure:



Amount:

CAS number(s): 104713-75-9 (parent), 104757-53-1 (HCl (1:1))
Molecular Formula: C₂₇H₂₉N₃O₆.HCl **Molecular Weight:** 528.00
Batch Molecular Formula: C₂₇H₂₉N₃O₆.HCl **Batch Molecular Weight:** 528.00
Appearance: Yellow solid **Observed mp:** 229 - 232 °C
TLC (R_f): 0.65 DCM/MeOH (20:1)
Chemical Purity: 99.9%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.42, H 5.73, N 7.96; Found: C 61.56, H 5.68, N 7.89
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	52.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 12-09-2019

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only