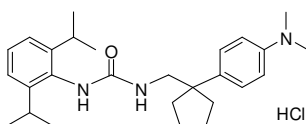




Certificate of Analysis

Axon Catalogue ID: 2960 **Batch Number:** 1
Product Name: ATR-101
Alternative Name(s): PD132301-2; Nevanimibe hydrochloride; CI 984
IUPAC Name: 1-(2,6-Diisopropylphenyl)-3-((1-(4-(dimethylamino)phenyl)cyclopentyl)methyl)urea hydrochloride

Structure:



Amount:

CAS number(s): 133825-80-6 (parent), 133825-81-7 (HCl (1:1))
Molecular Formula: C₂₇H₃₉N₃O.HCl **Molecular Weight:** 458.08
Batch Molecular Formula: C₂₇H₃₉N₃O.HCl.0.25H₂O **Batch Molecular Weight:** 462.58
Appearance: White solid **Observed mp:** 224.8 - 226.0 °C
TLC (R_f): 0.8 DCM/MeOH/NH₃ (20:1:0.1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.10, H 8.82, N 9.08; Found: C 70.18, H 8.71, N 9.21
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)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	4.0	8.6	
	EtOH	24.0	51.9	

Remarks:

QC Date: 20-8-2019

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