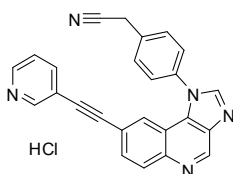




Certificate of Analysis

Axon Catalogue ID: 2610 **Batch Number:** 1
Product Name: PDK1 inhibitor 2610
Alternative Name(s): N.A.
IUPAC Name: 2-(4-(8-(Pyridin-3-ylethynyl)-1H-imidazo[4,5-c]quinolin-1-yl)phenyl)acetonitrile hydrochloride

Structure:



Amount:

CAS number(s): 853909-77-0 (parent), N.A. (HCl salt (1:1))
Molecular Formula: C₂₅H₁₅N₅.HCl **Molecular Weight:** 421.88
Batch Molecular Formula: C₂₅H₁₅N₅.HCl **Batch Molecular Weight:** 421.88
Appearance: Pale-yellow solid **Observed mp:** 204.1 - 205.6 °C
TLC (R_f): 0.59 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.17, H 3.82, N 16.60; Found: C 70.99, H 4.02, N 16.61
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	20.0	47.4	Warming (40°C) required
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	4.0	9.5	Warming (40°C) required
	EtOH			Not Tested

Remarks:

QC Date: 05-09-2016

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