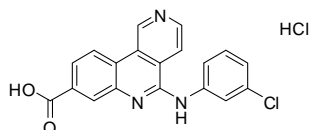




Certificate of Analysis

Axon Catalogue ID: 1965 **Batch Number:** 1
Product Name: CX 4945 hydrochloride
Alternative Name(s): Silitasertib hydrochloride
IUPAC Name: 5-(3-chlorophenylamino)benzo[c][2,6]naphthyridine-8-carboxylic acid hydrochloride

Structure:



Amount:

CAS number: 1009820-21-6 (parent) **MW:** 386.23
Batch Molecular Formula: C₁₉H₁₂ClN₃O₂.HCl.1.75H₂O **Batch MW:** 417.75
Appearance: Yellow solid **Observed mp:** ND
TLC (R_f): 0.29 DCM/MeOH (9:1)
Chemical Purity: 98.1%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: C, N, and Cl fit within 0.4% of theoretical calculation

Storage Conditions: Store at +4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0	0	Insoluble
	0.1N NaOH (aq)	9	22	Dissolves very slowly; requires sonication
	0.1N HCl (aq)			Not Tested
	DMSO	39	>100 mM	Requires sonication
	EtOH			Not Tested

Remarks:

QC Date: 12/3/2012

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