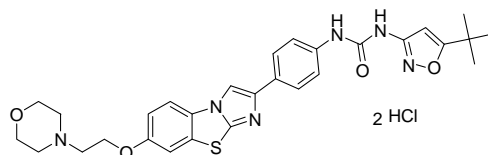




Certificate of Analysis

Axon Catalogue ID: 1696 **Batch Number:** 1
Product Name: AC 220 dihydrochloride
Alternative Name(s): Quizartinib dihydrochloride
IUPAC Name: Urea, N-[5-(1,1-dimethylethyl)-3-isoxazolyl]-N'-[4-[7-[2-(4-morpholinyl)ethoxy]imidazo[2,1-b]benzothiazol-2-yl]phenyl]-

Structure:



Amount:

CAS number: 1132827-21-4
Batch Molecular Formula: C₂₉H₃₂N₆O₄S.2HCl.3.5H₂O **Batch MW:** 696.63
Appearance: Off-white solid **Observed m.p.:** >232 °C (decomp)
TLC (R_f): 0.4 DCM/MeOH (9:1), free base
Chemical Purity: 98.6% **Wavelength for purity check:** 293 nm
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: C, H, and N fit within 0,4% of theoretical calculation
Storage Conditions: Desiccate at <4°C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Insoluble
1eq. NaOH			Not Tested.
1eq. HCl			Not Tested.
DMSO	10	14	Soluble
EtOH			Not Tested.

Remarks:

Quality controller: M. Brandsma, MSc. **Date:** 9/21/2011

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