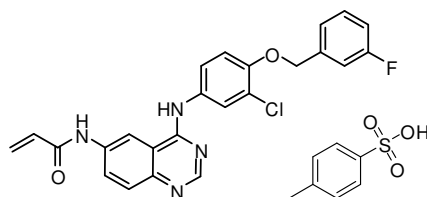




Certificate of Analysis

Axon Catalogue ID: 1986 **Batch Number:** 1
Product Name: AST 1306 tosylate
Alternative Name(s): N.A.
IUPAC Name: N-(4-(3-chloro-4-(3-fluorobenzyloxy)phenylamino)quinazolin-6-yl)acrylamide tosylate

Structure:



Amount:

CAS number(s): 897383-62-9 (parent), 1050500-29-2 (tosylate (1:1))
Molecular Formula: C₂₄H₁₈ClFN₄O₂.C₇H₈O₃S **Molecular Weight:** 621.08
Batch Molecular Formula: C₂₄H₁₈ClFN₄O₂.C₇H₈O₃S.2/3H₂O **Batch Molecular Weight:** 633.09
Appearance: Light-yellow solid **Observed mp:** 229.7 - 231.3°C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 58.81, H 4.35, N 8.85; Found: C 58.65, H 4.37, N 8.80
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	37.5	59.2	
	EtOH			Not Tested

Remarks:

QC Date: 30-11-2017

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