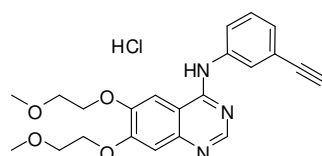




Certificate of Analysis

Axon Catalogue ID: 1128 **Batch Number:** 1
Product Name: Erlotinib hydrochloride
Alternative Name(s): OSI 774
IUPAC Name: N-(3-Ethynylphenyl)-6,7-bis(2-methoxyethoxy)quinazolin-4-amine hydrochloride

Structure:



Amount:

CAS number(s): 183321-74-6 (parent), 183319-69-9 (HCl)
Molecular Formula: C₂₂H₂₃N₃O₄.HCl **Molecular Weight:** 429.90
Batch Molecular Formula: C₂₂H₂₃N₃O₄.HCl **Batch Molecular Weight:** 429.90
Appearance: Off-white solid **Observed mp:** 229 - 231 °C
TLC (R_f): 0.2 DCM/MeOH (20:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.46, H 5.63, N 9.77; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	8.5	19.8	
	EtOH	1.2	2.8	Insoluble

Remarks:

QC Date: 12-11-2015

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