



Certificate of Analysis

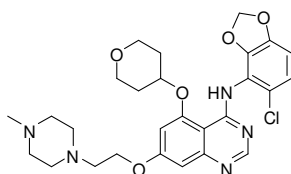
Axon Catalogue ID: 3284 **Batch Number:** 1

Product Name: Saracatinib

Alternative Name(s): AZD0530

IUPAC Name: N-(5-Chlorobenzo[d][1,3]dioxol-4-yl)-7-(((4-methylpiperazin-1-yl)methoxy)methyl)-5-(tetrahydro-2H-pyran-4-yloxy)quinazolin-4-amine

Structure:



Amount:

CAS number(s): 379231-04-6

Molecular Formula: C₂₇H₃₂ClN₅O₅ **Molecular Weight:** 542.03

Batch Molecular Formula: C₂₇H₃₂ClN₅O₅.3H₂O **Batch Molecular Weight:** 596.07

Appearance: White solid **Observed mp:** 79.8 - 86.3 °C

TLC (R_f): 0.5 DCM/MeOH (9:1)

Chemical Purity: 99.7%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 54.40, H 6.43, N 11.75; Found: C 54.09, H 6.01, N 11.76

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	40.0	67.1	
	DMSO	59.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 15-9-2020

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