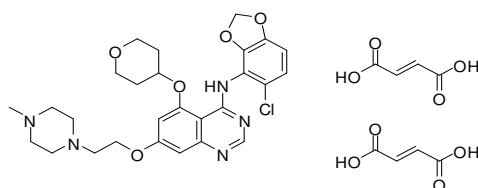




Certificate of Analysis

Axon Catalogue ID: 1456 **Batch Number:** 1
Product Name: AZD 0530 difumarate
Alternative Name(s): Saracatinib difumarate
IUPAC Name: (5-Chloro-benzo[1,3]dioxol-4-yl)-[7-[2-(4-methyl-piperazin-1-yl)-ethoxy]-5-(tetrahydro-pyran-4-yloxy)-quinazolin-4-yl]-amine (2E)-2-butenedioate (1:2)

Structure:



Amount:

CAS number(s): 379231-04-6 (parent), 893428-72-3 (fumarate (1:2))
Molecular Formula: C₂₇H₃₂N₅O₅Cl₁.2C₄H₄O₄ **Molecular Weight:** 774.17
Batch Molecular Formula: C₂₇H₃₂N₅O₅Cl₁.2C₄H₄O₄.0.5H₂O **Batch Molecular Weight:** 783.18
Appearance: White solid **Observed mp:** 230 - 231 °C
TLC (R_f): 0.3 DCM/MeOH (free base) (9:1)
Chemical Purity: >99%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.67, H 5.27, N 8.94; Found: C 53.59, H 5.13, N 8.72
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	5.3	6.8	Requires gentle warming (37°C)
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Very soluble
	EtOH			Not Tested

Remarks:

QC Date: 12-02-2018

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