



Certificate of Analysis

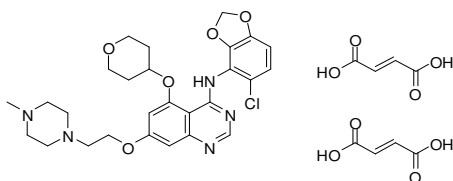
Axon Catalogue ID: 1456 **Batch Number:** 2

Product Name: AZD0530 difumarate

Alternative Name(s): Saracatinib difumarate

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

Structure:



Amount:

CAS number(s): 379231-04-6 (parent), 893428-72-3 (fumarate (1:2))

Molecular Formula: C₂₇H₃₂ClN₅O₅ · 2C₄H₄O₄ **Molecular Weight:** 774.17

Batch Molecular Formula: C₂₇H₃₂ClN₅O₅ · 2C₄H₄O₄ **Batch Molecular Weight:** 774.17

Appearance: White solid **Observed mp:** 233.0 - 235.6 °C

TLC (R_f): 0.6 DCM/MeOH/NH₃ (9:1:0.1)

Chemical Purity: 99.4%

Optical Purity (ee): N.A.

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 54.30, H 5.21, N 9.05; Found: C 54.29, H 5.14, N 9.17

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	6.8	8.8	* Warming (40°C)
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	29.0	37.5	
	EtOH			Not Tested

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 27-10-2020

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