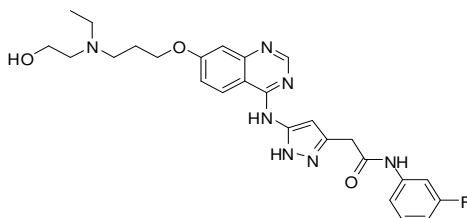




Certificate of Analysis

Axon Catalogue ID: 1580 **Batch Number:** 3
Product Name: AZD1152-HQPA
Alternative Name(s): AZD2811; Defosbarasertib; Barasertib-HQPA
IUPAC Name: 2-(5-(7-(3-(Ethyl(2-hydroxyethyl)amino)propoxy)quinazolin-4-ylamino)-1H-pyrazol-3-yl)-N-(3-fluorophenyl)acetamide

Structure:



Amount:

CAS number(s): 722544-51-6
Molecular Formula: C₂₆H₃₀FN₇O₃ **Molecular Weight:** 507.56
Batch Molecular Formula: C₂₆H₃₀FN₇O₃.0.25H₂O **Batch Molecular Weight:** 512.06
Appearance: Light-yellow solid **Observed mp:** 192.9 - 193.7 °C
TLC (R_f): 0.2 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.98, H 6.00, N 19.15; Found: C 60.65, H 5.91, N 19.20
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)	18.0	35.2	
	DMSO	51.2	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 7-4-2022

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