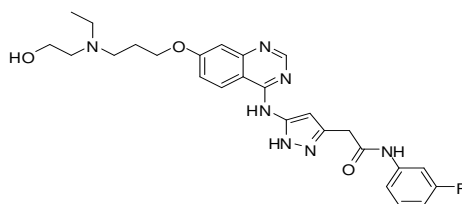




Certificate of Analysis

Axon Catalogue ID: 1580 **Batch Number:** 2
Product Name: AZD 1152-HQPA
Alternative Name(s): AZD 2811; 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: Off-white solid **Observed mp:** 193.0 - 193.5 °C
TLC (R_f): 0.23 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): 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 60.83, H 5.90, N 19.31
Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	9.3	18.2	
DMSO	15.0	29.3	
EtOH			Not Tested

Remarks:

QC Date: 19-5-2017

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