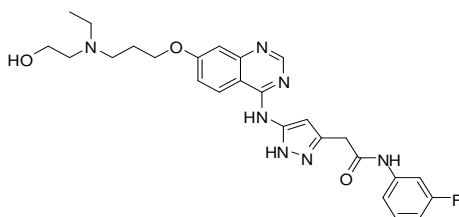




## Certificate of Analysis

**Axon Catalogue ID:** 1580 **Batch Number:** 1  
**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:** C<sub>26</sub>H<sub>30</sub>FN<sub>7</sub>O<sub>3</sub> **Molecular Weight:** 507.56  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>30</sub>FN<sub>7</sub>O<sub>3</sub> **Batch Molecular Weight:** 507.56  
**Appearance:** Pale-yellow solid **Observed mp:** 193.0 - 193.5 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (9:1) (NH<sub>3</sub>-treated SiO<sub>2</sub>)  
**Chemical Purity:** 99.2%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 61.53, H 5.96, N 19.32; Found: C ND, H ND, N ND  
**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	18.4	
DMSO	15.0	29.6	
EtOH			Not Tested

**Remarks:**

**QC Date:** 17-6-2022

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**