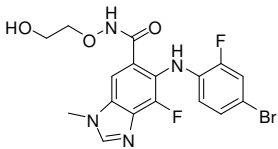




Certificate of Analysis

Axon Catalogue ID:	3697	Batch Number:	1																								
Product Name:	Binimetinib																										
Alternative Name(s):	MEK162																										
IUPAC Name:	5-(4-Bromo-2-fluorophenylamino)-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzo[d]imidazole-6-carboxamide																										
Structure:		Amount:																									
CAS number(s):	606143-89-9																										
Molecular Formula:	C17H15BrF2N4O3	Molecular Weight:	441.23																								
Batch Molecular Formula:	C17H15BrF2N4O3.0.25H2O	Batch Molecular Weight:	445.73																								
Appearance:	White solid	Observed mp:	217.1 - 218.0 °C																								
TLC (R_f):	0.2	DCM/MeOH (20:1)																									
Chemical Purity:	99.1%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 45.81, H 3.51, N 12.57; Found: C 45.81, H 3.39, N 12.42																										
Storage Conditions:	Store at +4 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>DMSO</td><td>21.0</td><td>47.1</td><td></td></tr><tr><td>EtOH</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)	0.0	0.0	Insoluble	DMSO	21.0	47.1		EtOH	0.0	0.0	Insoluble		
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EtOH	0.0	0.0	Insoluble																								
Remarks:																											
QC Date:	26-8-2022																										

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