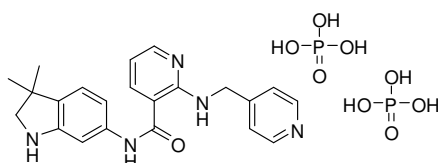




Certificate of Analysis

Axon Catalogue ID: 1768 **Batch Number:** 1
Product Name: AMG 706
Alternative Name(s): Motesanib diphosphate
IUPAC Name: N-(3,3-Dimethylindolin-6-yl)-2-(pyridin-4-ylmethylamino)nicotinamide diphosphate

Structure:



Amount:

CAS number(s): 453562-69-1 (parent), 857876-30-3 (phosphate (1:2))
Molecular Formula: C₂₂H₂₃N₅O. 2H₃PO₄ **Molecular Weight:** 569.44
Batch Molecular Formula: C₂₂H₂₃N₅O. 2H₃PO₄ **Batch Molecular Weight:** 569.44
Appearance: Beige Solid **Observed mp:** 203.3 - 205.9 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 46.60, H 5.13, N 12.30; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	23.0	40.4	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

Remarks: Contains a trace amount of ethanol, approximately 2-3 wt.%, based on ¹H-NMR

QC Date: 03-10-2019

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