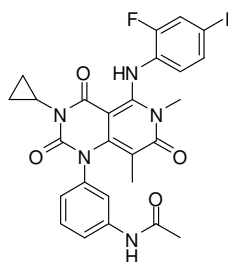


Certificate of Analysis

Axon Catalogue ID: 1761 **Batch Number:** 1
Product Name: GSK 1120212
Alternative Name(s): Trametinib; JTP 74057
IUPAC Name: N-(3-(3-cyclopropyl-5-(2-fluoro-4-iodophenylamino)-6,8-dimethyl-2,4,7-trioxo-3,4,6,7-tetrahydropyrido[4,3-d]pyrimidin-1(2H)-yl)phenyl)acetamide

Structure:



Amount:

CAS number(s): 871700-17-3
Molecular Formula: C₂₆H₂₃FIN₅O₄ **Molecular Weight:** 615.39
Batch Molecular Formula: C₂₆H₂₃FIN₅O₄ **Batch Molecular Weight:** 615.39
Appearance: White solid **Observed mp:** 298 - 299 °C
TLC (R_f): 0.75 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 50.74, H 3.77, N 11.38; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.0	45.5	
	EtOH			Not Tested

Remarks:

QC Date: 26-01-2018

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