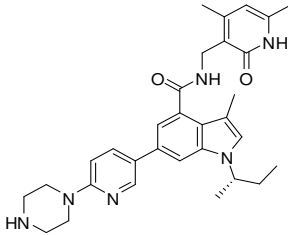




Certificate of Analysis

Axon Catalogue ID:	2140	Batch Number:	2																								
Product Name:	GSK 126																										
Alternative Name(s):	N.A.																										
IUPAC Name:	(S)-1-sec-Butyl-N-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-3-methyl-6-(6-(piperazin-1-yl)pyridin-3-yl)-1H-indole-4-carboxamide																										
Structure:		Amount:																									
CAS number(s):	1346574-57-9																										
Molecular Formula:	C ₃₁ H ₃₈ N ₆ O ₂	Molecular Weight:	526.67																								
Batch Molecular Formula:	C ₃₁ H ₃₈ N ₆ O ₂ ·1.5H ₂ O	Batch Molecular Weight:	553.70																								
Appearance:	Beige solid	Observed mp:	250 °C (decomp)																								
TLC (R_f):	0.3	DCM/MeOH (1:1)																									
Chemical Purity:	98.4%																										
Optical Purity (ee):	99% ee*																										
¹H-NMR (300 MHz):	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 67.24, H 7.46, N 15.18; Found: C 67.39, H 7.11, N 15.10																										
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>0.0</td><td>0.0</td><td>Insoluble</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>35.0</td><td>63.2</td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)	0.0	0.0	Insoluble	0.1N HCl (aq)	0.0	0.0	Insoluble	DMSO	35.0	63.2		EtOH			Not Tested		
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0.1N HCl (aq)	0.0	0.0	Insoluble																								
DMSO	35.0	63.2																									
EtOH			Not Tested																								
Remarks:	* Optical purity was verified by optical rotation: [α] _D : -12° (c 0.1, MeOH)																										

QC Date: 15-10-2018

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