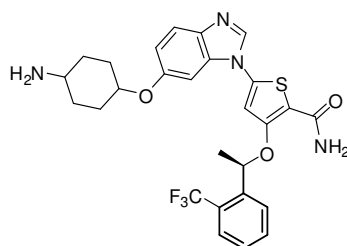




Certificate of Analysis

Axon Catalogue ID: 1626 **Batch Number:** 1
Product Name: GSK 461364 analogue II
Alternative Name(s): N.A.
IUPAC Name: (R)-5-(6-(1-methylpiperidin-4-yloxy)-1H-benzo[d]imidazol-1-yl)-3-(1-(2-(trifluoromethyl)phenyl)ethoxy)thiophene-2-carboxamide

Structure:



Amount:

CAS number(s): 929095-22-7
Molecular Formula: C₂₇H₂₇F₃N₄O₃S **Molecular Weight:** 544.59
Batch Molecular Formula: C₂₇H₂₇F₃N₄O₃S **Batch Molecular Weight:** 544.59
Appearance: Off-white solid **Observed mp:** ND
TLC (R_f): 0.4 EtOAc/Hex/THF (1:2:1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.55, H 5.00, N 10.29; Found: C ND, H ND, N ND
Storage Conditions: Store 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)	5.4	9.9	Requires warming to 40 °C.
	DMSO	54.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 11-10-2018

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