

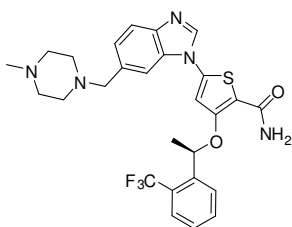


Certificate of Analysis

Axon Catalogue ID: 1688 **Batch Number:** 1
Product Name: GSK 461364
Alternative Name(s): N.A.

IUPAC Name: (R)-5-(6-((4-methylpiperazin-1-yl)methyl)-1H-benzo[d]imidazol-1-yl)-3-(1-(2-(trifluoromethyl)phenyl)ethoxy)thiophene-2-carboxamide

Structure:



Amount:

CAS number(s): 929095-18-1

Molecular Formula: C₂₇H₂₈F₃N₅O₂S

Molecular Weight: 543.60

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Batch Molecular Weight: 543.60

Appearance: White solid

Observed mp: 198.8 °C (decomp)

TLC (R_f): 0.52 DCM/MeOH (9:1)

Chemical Purity: 99.6%

Optical Purity (ee): Optically pure

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 59.66, H 5.19, N 12.88; Found: C ND, H ND, N ND

Storage Conditions: Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water			Not Tested
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	30.0	55.2	
EtOH			Not Tested

Remarks:

QC Date: 7-11-2023

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