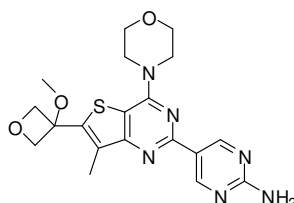




Certificate of Analysis

Axon Catalogue ID: 2994 **Batch Number:** 1
Product Name: GNE 317
Alternative Name(s): N.A.
IUPAC Name: 5-(6-(3-Methoxyoxetan-3-yl)-7-methyl-4-morpholinothieno[3,2-d]pyrimidin-2-yl)pyrimidin-2-amine

Structure:



Amount:

CAS number(s): 1394076-92-6
Molecular Formula: C₁₉H₂₂N₆O₃S **Molecular Weight:** 414.48
Batch Molecular Formula: C₁₉H₂₂N₆O₃S **Batch Molecular Weight:** 414.48
Appearance: Beige solid **Observed mp:** >240 °C (decomp)
TLC (R_f): 0.53 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 55.06, H 5.35, N 20.28; Found: C 54.72, H 5.21, N 20.12
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	22.0	53.1	
	EtOH			Not Tested

Remarks:

QC Date: 24-06-2019

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