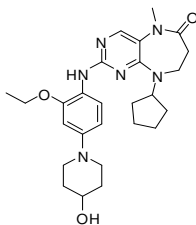




Certificate of Analysis

Axon Catalogue ID: 2358 **Batch Number:** 1
Product Name: Mps1-IN-2
Alternative Name(s): N.A.
IUPAC Name: 9-Cyclopentyl-2-(2-ethoxy-4-(4-hydroxypiperidin-1-yl)phenylamino)-5-methyl-8,9-dihydro-5H-pyrimido[4,5-b][1,4]diazepin-6(7H)-one

Structure:



Amount:

CAS number: 1228817-38-6
Batch Molecular Formula: C₂₆H₃₆N₆O₃ **Batch MW:** 480.60
Appearance: Off-white solid **Observed mp:** 205.0 - 207.2 °C
TLC (R_f): 0.49 DCM/MeOH (9:1)
Chemical Purity: 98.5%
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 64.98 , H 7.55 , N 17.49 Found: C 64.63 , H 7.52 , N 17.59
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)	6.4	13.3	
DMSO	0.0	0.0	Insoluble
EtOH			Not Tested

Remarks:

QC Date: 06-10-2014

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