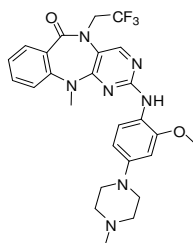




Certificate of Analysis

Axon Catalogue ID: 3200 **Batch Number:** 1
Product Name: DCLK1-IN-1
Alternative Name(s): FMF-03-146-1
IUPAC Name: 2-(2-Methoxy-4-(4-methylpiperazin-1-yl)phenylamino)-11-methyl-5-(2,2,2-trifluoroethyl)-5H-benzo[e]pyrimido[5,4-b][1,4]diazepin-6(11H)-one

Structure:



Amount:

CAS number(s): 2222635-15-4
Molecular Formula: C₂₆H₂₈F₃N₇O₂ **Molecular Weight:** 527.54
Batch Molecular Formula: C₂₆H₂₈F₃N₇O₂ **Batch Molecular Weight:** 527.54
Appearance: Yellow solid **Observed mp:** 136.0 - 144.2 °C
TLC (R_f): 0.2 DCM/MeOH (9:1)
Chemical Purity: 98.8%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.20, H 5.35, N 18.59; Found: C 59.19, H 5.44, N 18.50
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)	17.0	32.2	
	DMSO	52.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 10-11-2020

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