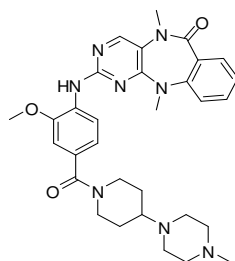




Certificate of Analysis

Axon Catalogue ID: 2493 **Batch Number:** 1
Product Name: LRRK2-IN-1
Alternative Name(s): N.A.
IUPAC Name: 2-(2-Methoxy-4-(4-(4-methylpiperazin-1-yl)piperidine-1-carbonyl)phenylamino)-5,11-dimethyl-5H-benzo[e]pyrimido[5,4-b][1,4]diazepin-6(11H)-one

Structure:



Amount:

CAS number(s): 1234480-84-2
Molecular Formula: C₃₁H₃₈N₈O₃ **Molecular Weight:** 570.69
Batch Molecular Formula: C₃₁H₃₈N₈O₃.0.75H₂O **Batch Molecular Weight:** 584.20
Appearance: Off-white solid **Observed mp:** 149 - 150 °C
TLC (R_f): 0.5 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.73, H 6.82, N 19.18; Found: C 63.80, H 6.65, N 19.13
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)	13.5	23.1	
	DMSO	48.0	82.2	
	EtOH			Not Tested

Remarks:

QC Date: 15-10-2020

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