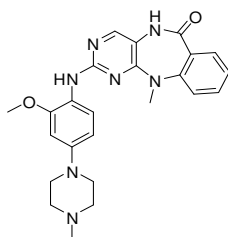




Certificate of Analysis

Axon Catalogue ID: 2762 **Batch Number:** 1
Product Name: XMD 8-87
Alternative Name(s): N.A.
IUPAC Name: 2-(2-Methoxy-4-(4-methylpiperazin-1-yl)phenylamino)-11-methyl-5H-benzo[e]pyrimido[5,4-b][1,4]diazepin-6(11H)-one

Structure:



Amount:

CAS number(s): 1234480-46-6
Molecular Formula: C₂₄H₂₇N₇O₂ **Molecular Weight:** 445.52
Batch Molecular Formula: C₂₄H₂₇N₇O₂·0.25H₂O **Batch Molecular Weight:** 450.02
Appearance: Beige solid **Observed mp:** 239 °C (decomp)
TLC (R_f): 0.26 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 64.05, H 6.16, N 21.79; Found: C 64.10, H 5.96, N 21.77
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)	14.0	31.1	
	DMSO	4.6	10.2	
	EtOH			Not Tested

Remarks:

QC Date: 30-10-2017

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