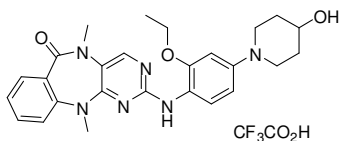




Certificate of Analysis

Axon Catalogue ID: 1621 **Batch Number:** 1
Product Name: XMD 8-92 trifluoroacetate
Alternative Name(s): N.A.
IUPAC Name: 2-(2-Ethoxy-4-(4-hydroxypiperidin-1-yl)phenylamino)-5,11-dimethyl-5H-benzo[e]pyrimido[5,4-b][1,4]diazepin-6(11H)-one 2,2,2-trifluoroacetate

Structure:



Amount:

CAS number(s): 1234480-50-2 (parent), 2108526-77-6 (CF₃CHO₂H (1:1))
Molecular Formula: C₂₆H₃₀N₆O₃.C₂H₃F₃O₂ **Molecular Weight:** 588.58
Batch Molecular Formula: C₂₆H₃₀N₆O₃.C₂H₃F₃O₂ **Batch Molecular Weight:** 588.58
Appearance: Off-white solid **Observed mp:** 146.1 - 147.5 °C
TLC (R_f): 0.35 DCM/MeOH (9:1)
Chemical Purity: 99.1%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.14, H 5.31, N 14.28; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.1	0.2	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	46.0	78.2	
EtOH			Not Tested

Remarks:

QC Date: 25-1-2024

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