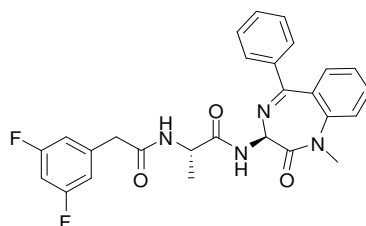


Certificate of Analysis

Axon Catalogue ID: 1487 **Batch Number:** 6
Product Name: BZ, γ -Secretase Inhibitor
Alternative Name(s): Compound E
IUPAC Name: (S)-2-(2-(3,5-Difluorophenyl)acetamido)-N-((S,Z)-1-methyl-2-oxo-5-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepin-3-yl)propanamide

Structure:



Amount:

CAS number(s): 209986-17-4
Molecular Formula: C₂₇H₂₄F₂N₄O₃ **Molecular Weight:** 490.50
Batch Molecular Formula: C₂₇H₂₄F₂N₄O₃·0.5H₂O **Batch Molecular Weight:** 499.51
Appearance: White solid **Observed mp:** 217.5 - 218.5 °C
TLC (R_f): 0.64 DCM/MeOH (9:1)
Chemical Purity: 99.4%
Optical Purity (ee): 100%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 64.92, H 5.04, N 11.22; Found: C 65.00, H 4.78, N 11.24
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)	0.0	0.0	Insoluble
	DMSO	50.0	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 18-07-2019

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