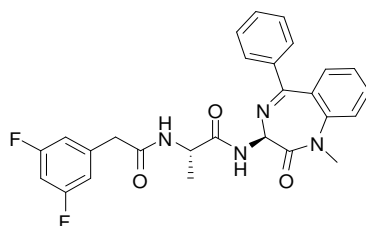


Certificate of Analysis

Axon Catalogue ID: 1487 **Batch Number:** 3
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 **Batch Molecular Weight:** 490.50
Appearance: White solid **Observed mp:** 218.0 - 219.7 °C
TLC (R_f): 0.76 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): 99.8%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.11, H 4.93, N 11.42; Found: C 65.82, H 4.84, N 11.16
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	49.1	>100 mM	Sonication enhances solubility
	EtOH			Not Tested

Remarks:

QC Date: 25-01-2019

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