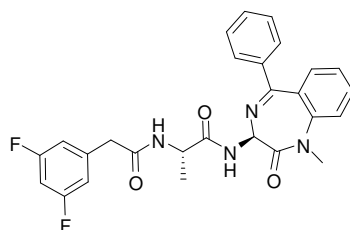


## Certificate of Analysis

**Axon Catalogue ID:** 1487 **Batch Number:** 2  
**Product Name:** BZ,  $\gamma$ -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:** C<sub>27</sub>H<sub>24</sub>F<sub>2</sub>N<sub>4</sub>O<sub>3</sub> **Molecular Weight:** 490.50  
**Batch Molecular Formula:** C<sub>27</sub>H<sub>24</sub>F<sub>2</sub>N<sub>4</sub>O<sub>3</sub>·0.5H<sub>2</sub>O **Batch Molecular Weight:** 499.51  
**Appearance:** Off-white solid **Observed mp:** 201 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (20:1)  
**Chemical Purity:** 99.7%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-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 64.76, H 4.98, N 11.02  
**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	45.0	90.1	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 11-12-2018

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**