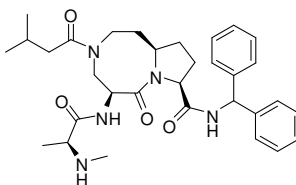




## Certificate of Analysis

**Axon Catalogue ID:** 1985 **Batch Number:** 1  
**Product Name:** Xevinapant  
**Alternative Name(s):** AT-406; DEBIO1143; SM-406  
**IUPAC Name:** (5S,8S,10aR)-N-Benzhydryl-5-((S)-2-(methylamino)propanamido)-3-(3-methylbutanoyl)-6-oxodecahydropyrrolo[1,2-a][1,5]diazocine-8-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 1071992-99-8  
**Molecular Formula:** C32H43N5O4 **Molecular Weight:** 561.71  
**Batch Molecular Formula:** C32H43N5O4.0.25H2O **Batch Molecular Weight:** 566.22  
**Appearance:** White solid **Observed mp:** 195.3 - 197.2 °C  
**TLC (R<sub>f</sub>):** 0.2 (t)  
**Chemical Purity:** 99.0%  
**Optical Purity (ee):** Optically pure  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 67.88, H 7.74, N 12.37; Found: C 67.95, H 7.83, N 12.32  
**Storage Conditions:** Store at -20 °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	53.0	93.6	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 12-7-2024

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

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