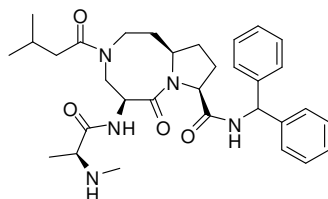




Certificate of Analysis

Axon Catalogue ID: 1985 **Batch Number:** 1
Product Name: AT 406
Alternative Name(s): 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_f): 0.2 (t) DCM/MeOH (9:1)
Chemical Purity: 99.0%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): 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 +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	53.0	93.6	
	EtOH			Not Tested

Remarks:

QC Date: 28-01-2019

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