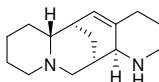




Certificate of Analysis

Axon Catalogue ID: 3549 **Batch Number:** 1
Product Name: Aloperine
Alternative Name(s): N.A.
IUPAC Name: (1R,2S,9R,10R)-3,15-Diazatetracyclo[7.7.1.0^{2,7}.0^{10,15}]heptadec-7-ene

Structure:



Amount:

CAS number(s): 56293-29-9
Molecular Formula: C₁₅H₂₄N₂ **Molecular Weight:** 232.36
Batch Molecular Formula: C₁₅H₂₄N₂ **Batch Molecular Weight:** 232.36
Appearance: White solid **Observed mp:** 71.1 - 71.8 °C
TLC (R_f): 0.35 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.9%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = +97.2° with c = 1 in EtOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 77.53, H 10.41, N 12.06; Found: C 77.51, H 10.64, N 12.17
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	4.2	18.1	* Warming (40°C)
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	21.3	91.8	
	DMSO	5.4	23.2	* Warming (40°C) and sonication
	EtOH	23.2	>100 mM	

Remarks: * Warming (40°C) and sonication enhanced solubility. Suspected to be light sensitive.

QC Date: 20-12-2021

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