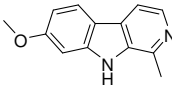




Certificate of Analysis

Axon Catalogue ID:	3627	Batch Number:	1																								
Product Name:	Harmine																										
Alternative Name(s):	N.A.																										
IUPAC Name:	7-Methoxy-1-methyl-9H-pyrido[3,4-b]indole																										
Structure:		Amount:																									
CAS number(s):	442-51-3																										
Molecular Formula:	C ₁₃ H ₁₂ N ₂ O	Molecular Weight:	212.25																								
Batch Molecular Formula:	C ₁₃ H ₁₂ N ₂ O	Batch Molecular Weight:	212.25																								
Appearance:	Light-brown solid	Observed mp:	>265.8 °C (decomp)																								
TLC (R_f):	0.38	DCM/MeOH (9:1)																									
Chemical Purity:	99.9%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 73.56, H 5.70, N 13.20; Found: C 73.50, H 5.74, N 13.18																										
Storage Conditions:	Store at +4 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td>16.8</td><td>79.2</td><td></td></tr><tr><td>DMSO</td><td>13.6</td><td>64.1</td><td>* Warming (40°C)</td></tr><tr><td>EtOH</td><td>1.5</td><td>7.1</td><td>* Warming (40°C) and sonication</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)	16.8	79.2		DMSO	13.6	64.1	* Warming (40°C)	EtOH	1.5	7.1	* Warming (40°C) and sonication		
Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks																								
Water	0.0	0.0	Insoluble																								
0.1N NaOH (aq)			Not Tested																								
0.1N HCl (aq)	16.8	79.2																									
DMSO	13.6	64.1	* Warming (40°C)																								
EtOH	1.5	7.1	* Warming (40°C) and sonication																								
Remarks:	* Warming (40°C) and/or sonication enhanced solubility.																										
QC Date:	30-6-2022																										

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