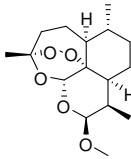


Certificate of Analysis

Axon Catalogue ID:	3303	Batch Number:	1
Product Name:	Artemether		
Alternative Name(s):	β-Artemether		
IUPAC Name:	(1R,4S,5R,8S,9R,10S,12R,13R)-10-Methoxy-1,5,9-trimethyl-11,14,15,16-tetraoxatetracyclo[10.3.1.04,13.08,13]hexadecane		
Structure:			Amount:
CAS number(s):	71963-77-4		
Molecular Formula:	C16H26O5	Molecular Weight:	298.37
Batch Molecular Formula:	C16H26O5	Batch Molecular Weight:	298.37
Appearance:	White solid	Observed mp:	86 - 88 °C
TLC (R_f):	0.53	Hex/EtOAc (9:1)	
Chemical Purity:	>98%		
Optical Purity (ee):	Optically pure		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	N.A.		
Microanalysis:	Calculated: C 64.41, H 8.78, N 0.00; Found: C 64.53, H 8.88, N <0.10		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	29.8	>100 mM
	EtOH	29.8	>100 mM
Remarks:	Purity based on NMR.		
QC Date:	14-9-2021		

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