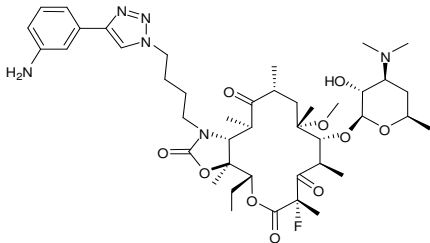




Certificate of Analysis

Axon Catalogue ID:	2606	Batch Number:	1	
Product Name:	Solithromycin			
Alternative Name(s):	CEM 101; OP 1068			
IUPAC Name:	(1R,2R,4R,6R,7R,8R,10S,13R,14S)-17-[4-[4-(3-Aminophenyl)triazol-1-yl]butyl]-7-[(2S,3R,4S,6R)-4-(dimethylamino)-3-hydroxy-6-methyloxan-2-yl]oxy-13-ethyl-10-fluoro-6-methoxy-2,4,6,8,10,14-hexamethyl-12,15-dioxo-17-azabicyclo[12.3.0]heptadecane-3,9,11,16-tetrone			
Structure:			Amount:	
CAS number(s):	760981-83-7			
Molecular Formula:	C43H65FN6O10	Molecular Weight:	845.01	
Batch Molecular Formula:	C43H65FN6O10.0.5H2O	Batch Molecular Weight:	854.02	
Appearance:	White solid	Observed mp:	226.9 - 228.4 °C	
TLC (R_f):	0.44	DCM/MeOH (9:1)		
Chemical Purity:	99.3%			
Optical Purity (ee):	N.A.			
¹H-NMR (300 MHz):	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 60.47, H 7.79, N 9.84; Found: C 60.37, H 8.08, N 9.87			
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)	7.3	8.6	
	DMSO	26.7	31.2	
	EtOH			Not Tested
Remarks:				
QC Date:	16-11-2021			

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