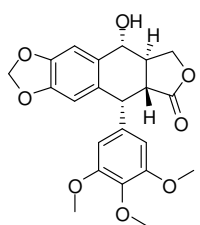


Certificate of Analysis

Axon Catalogue ID:	3368	Batch Number:	1
Product Name:	Podophyllotoxin		
Alternative Name(s):	N.A.		
IUPAC Name:	(5R,5aR,8aR,9R)-5-Hydroxy-9-(3,4,5-trimethoxyphenyl)-5a,6,8a,9-tetrahydro-5H-[2]benzofuro[5,6-f][1,3]benzodioxol-8-one		
Structure:			Amount:
CAS number(s):	518-28-5		
Molecular Formula:	C ₂₂ H ₂₂ O ₈	Molecular Weight:	414.41
Batch Molecular Formula:	C ₂₂ H ₂₂ O ₈ .0.5H ₂ O	Batch Molecular Weight:	423.41
Appearance:	White solid	Observed mp:	162.5 - 163.8 °C
TLC (R_f):	0.7	DCM/MeOH (9:1)	
Chemical Purity:	98.7%		
Optical Purity (ee):	Optically pure		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 62.41, H 5.48, N 0.00; Found: C 62.51, H 5.29, N <0.10		
Storage Conditions:	Store at -20 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		Insoluble
	0.1N HCl (aq)		Not Tested
	DMSO	42.3	>100 mM
	EtOH		Not Tested
Remarks:			
QC Date:	16-03-2021		

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