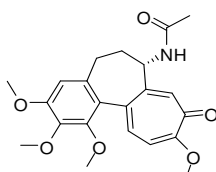




Certificate of Analysis

Axon Catalogue ID: 3371 **Batch Number:** 1
Product Name: Colchicine
Alternative Name(s): N.A.
IUPAC Name: N-[(7S)-1,2,3,10-Tetramethoxy-9-oxo-6,7-dihydro-5H-benzo[a]heptalen-7-yl]acetamide

Structure:



Amount:

CAS number(s): 64-86-8
Molecular Formula: C₂₂H₂₅NO₆ **Molecular Weight:** 399.44
Batch Molecular Formula: C₂₂H₂₅NO₆.0.5H₂O **Batch Molecular Weight:** 408.44
Appearance: Pale-yellow solid **Observed mp:** 158.5 - 165.0 °C
TLC (R_f): 0.5 DCm/MeOH (9:1)
Chemical Purity: 99.8%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 64.69, H 6.42, N 3.43; Found: C 64.93, H 6.36, N 3.36
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	16.0	39.2	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 26-7-2021

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