



Certificate of Analysis

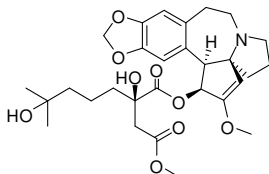
Axon Catalogue ID: 3667 **Batch Number:** 1

Product Name: Homoharringtonine

Alternative Name(s): Omacetaxine mepesuccinate; Ceflatonin; Myelostat

IUPAC Name: 1-O-[(2S,3S,6R)-4-Methoxy-16,18-dioxa-10-azapentacyclo[11.7.0.0.2,6.06,10.015,19]jcosa-1(20),4,13,15(19)-tetraen-3-yl] 4-O-methyl (2R)-2-hydroxy-2-(4-hydroxy-4-methylpentyl)butanedioate

Structure:



Amount:

CAS number(s): 26833-87-4

Molecular Formula: C₂₉H₃₉NO₉ **Molecular Weight:** 545.62

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Appearance: Off-white solid **Observed mp:** 140.6 - 144.0 °C

TLC (R_f): 0.52 DCM/MeOH (9:1)

Chemical Purity: 99.3%

Optical Purity (ee): Optically pure

Optical Rotation (Det.): [α]_D = -139.8° with c = 0.5 in CHCl₃

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 63.84, H 7.20, N 2.57; Found: C 63.57, H 7.36, N 2.53

Storage Conditions: Store at -20 °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)			Not Tested
	DMSO	54.6	>100 mM	
	EtOH	9.6	17.6	* Warming (40°C)

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 25-7-2022

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