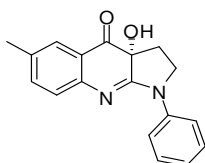


Certificate of Analysis

Axon Catalogue ID: 3144 **Batch Number:** 1
Product Name: (+)-Blebbistatin
Alternative Name(s): N.A.
IUPAC Name: (R)-3a-Hydroxy-6-methyl-1-phenyl-3,3a-dihydro-1H-pyrrolo[2,3-b]quinolin-4(2H)-one

Structure:



Amount:

CAS number(s): 1177356-70-5
Molecular Formula: C₁₈H₁₆N₂O₂ **Molecular Weight:** 292.33
Batch Molecular Formula: C₁₈H₁₆N₂O₂·0.35H₂O **Batch Molecular Weight:** 298.64
Appearance: Yellow solid **Observed mp:** 193.0 - 198.0 °C
TLC (R_f): 0.76 Hex/EtOAc (1:1)
Chemical Purity: 99.2%
Optical Purity (ee): 99.5%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 72.39, H 5.64, N 9.38; Found: C 72.61, H 5.37, N 8.99
Storage Conditions: Desiccate 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	29.9	>100 mM	
	EtOH			Not Tested

Remarks: Suspected to be light-sensitive.

QC Date: 22-04-2020

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