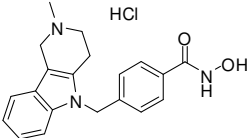




Certificate of Analysis

Axon Catalogue ID:	2004	Batch Number:	2																								
Product Name:	Tubastatin A hydrochloride																										
Alternative Name(s):	N.A.																										
IUPAC Name:	N-Hydroxy-4-((2-methyl-3,4-dihydro-1H-pyrido[4,3-b]indol-5(2H)-yl)methyl)benzamide hydrochloride																										
Structure:		Amount:																									
CAS number(s):	1252003-15-8 (parent), 1310693-92-5 (HCl (1:1))																										
Molecular Formula:	C ₂₀ H ₂₁ N ₃ O ₂ .HCl	Molecular Weight:	371.86																								
Batch Molecular Formula:	C ₂₀ H ₂₁ N ₃ O ₂ .HCl.0.7H ₂ O	Batch Molecular Weight:	384.47																								
Appearance:	White solid	Observed mp:	>254 °C (decomp)																								
TLC (R_f):	0.5 DCM/MeOH/NH ₃ (9:1:0.1)																										
Chemical Purity:	98.7%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 62.48, H 6.13, N 10.93; Found: C 62.44, H 5.74, N 10.86																										
Storage Conditions:	Desiccate at -20 °C																										
Solubility Data:	<table border="0"> <thead> <tr> <th>Solvent</th> <th>Solubility (mg/ml)</th> <th>Solubility (mM)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Water</td> <td>0.0</td> <td>0.0</td> <td>Insoluble</td> </tr> <tr> <td>0.1N NaOH (aq)</td> <td></td> <td></td> <td>Not Tested</td> </tr> <tr> <td>0.1N HCl (aq)</td> <td></td> <td></td> <td>Not Tested</td> </tr> <tr> <td>DMSO</td> <td>19.3</td> <td>50.2</td> <td></td> </tr> <tr> <td>EtOH</td> <td></td> <td></td> <td>Not Tested</td> </tr> </tbody> </table>	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	19.3	50.2		EtOH			Not Tested		
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Remarks:																											
QC Date:	26-2-2024																										

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