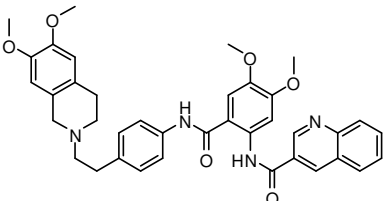




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1960	<b>Batch Number:</b>	2
<b>Product Name:</b>	Tariquidar		
<b>Alternative Name(s):</b>	XR 9576		
<b>IUPAC Name:</b>	N-(2-(4-(2-(6,7-Dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)ethyl)phenyl)carbamoyl)-4,5-dimethoxyphenylquinoline-3-carboxamide		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	206873-63-4		
<b>Molecular Formula:</b>	C38H38N4O6	<b>Molecular Weight:</b>	646.73
<b>Batch Molecular Formula:</b>	C38H38N4O6.0.6H2O	<b>Batch Molecular Weight:</b>	657.54
<b>Appearance:</b>	Off-white solid	<b>Observed mp:</b>	225 °C (decomp)
<b>TLC (R<sub>f</sub>):</b>	0.6	DCM/MeOH (9:1)	
<b>Chemical Purity:</b>	99.0%		
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 69.03, H 6.04, N 8.47; Found: C 69.01, H 6.04, N 8.50		
<b>Storage Conditions:</b>	Store at +4 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	30.0	45.6
	EtOH		
			Insoluble
			Not Tested
			Not Tested
<b>Remarks:</b>			
<b>QC Date:</b>	22-3-2022		

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**