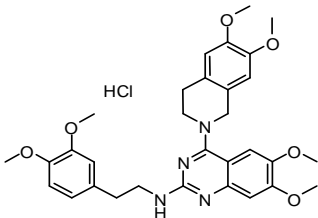




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1654	<b>Batch Number:</b>	1
<b>Product Name:</b>	CP 100356 hydrochloride		
<b>Alternative Name(s):</b>	N.A.		
<b>IUPAC Name:</b>	4-(6,7-dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)-N-(3,4-dimethoxyphenethyl)-6,7-dimethoxyquinazolin-2-amine hydrochloride		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number:</b>	142715-48-8	<b>MW:</b>	597.10
<b>Batch Molecular Formula:</b>	C <sub>31</sub> H <sub>37</sub> CIN <sub>4</sub> O <sub>6</sub> ·1.5H <sub>2</sub> O	<b>Batch MW:</b>	624.12
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	213 - 215 °C (decomp)
<b>TLC (R<sub>f</sub>):</b>	0.6 DCM/MeOH (9:1)		
<b>Chemical Purity:</b>	99.6%		
<b>Optical Purity (ee):</b>			
<b><sup>1</sup>H-NMR (300 MHz):</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	C, H, and N fit within 0,4% of theoretical calculation		
<b>Storage Conditions:</b>	Desiccate at	+4°C	
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water		
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	54.0	86.5
	EtOH		
			<b>Remarks</b>
			Not Tested
			Not Tested
			Not Tested
			Requires slight warming.
			Not Tested
<b>Remarks:</b>	Microanalysis: Calcd. C 59.66, H 6.46, N 8.98; Found: C 59.63, H 6.16, N 6.98.		
<b>QC Date:</b>	3/31/2011		

The purity of Axon products 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 Axon Catalogue ID and Batch number.

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