



## Certificate of Analysis

<b>Axon Catalogue ID:</b>	3598	<b>Batch Number:</b>	1	
<b>Product Name:</b>	BAY-091 hydrochloride			
<b>Alternative Name(s):</b>	N.A.			
<b>IUPAC Name:</b>	(R)-2-(3-Cyano-2-(2'-fluoro-3'-methylbiphenyl-4-yl)-1,7-naphthyridin-4-ylamino)butanoic acid hydrochloride			
<b>Structure:</b>			<b>Amount:</b>	
<b>CAS number(s):</b>	N.A.			
<b>Molecular Formula:</b>	C26H21FN4O2.HCl	<b>Molecular Weight:</b>	476.93	
<b>Batch Molecular Formula:</b>	C26H21FN4O2.0.85HCl	<b>Batch Molecular Weight:</b>	471.46	
<b>Appearance:</b>	Beige solid	<b>Observed mp:</b>	>145 °C (decomp)	
<b>TLC (R<sub>f</sub>):</b>	0.3	DCM/MeOH/AcOH (9:1:0.1)		
<b>Chemical Purity:</b>	98.1%			
<b>Optical Purity (ee):</b>	99.5%			
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = +164.9° with c = 1 in DMSO			
<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 66.24, H 4.67, N 11.88; Found: C 66.51, H 4.56, N 11.95			
<b>Storage Conditions:</b>	Desiccate at -20 °C			
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	47.1	>100 mM	
	EtOH	0.0	0.0	Insoluble
<b>Remarks:</b>				
<b>QC Date:</b>	14-11-2022			

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**