



## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1290	<b>Batch Number:</b>	2
<b>Product Name:</b>	ST 91		
<b>Alternative Name(s):</b>	N.A.		
<b>IUPAC Name:</b>	2,6-Diethyl-N-(imidazolidin-2-ylidene)aniline hydrochloride		
<b>Structure:</b>		<b>Amount:</b>	
<b>CAS number(s):</b>	4751-48-8 (parent), 4749-61-5 (HCl (1:1))		
<b>Molecular Formula:</b>	C13H19N3.HCl	<b>Molecular Weight:</b>	253.77
<b>Batch Molecular Formula:</b>	C13H19N3.HCl	<b>Batch Molecular Weight:</b>	253.77
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	210 °C (decomp)
<b>TLC (R<sub>f</sub>):</b>	0.5	DCM/MeOH (9:1) (FB)	
<b>Chemical Purity:</b>	99.5%		
<b>Optical Purity (ee):</b>	N.A.		
<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 61.53, H 7.94, N 16.56; Found: C 61.50, H 7.93, N 16.49		
<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	25.4	>100 mM
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	25.4	>100 mM
	EtOH	25.4	>100 mM
<b>Remarks:</b>			
<b>QC Date:</b>	9-7-2021		

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**