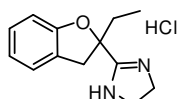




## Certificate of Analysis

**Axon Catalogue ID:** 1155 **Batch Number:** 2  
**Product Name:** Efaroxan hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(2-Ethyl-2,3-dihydro-benzofuran-2-yl)-4,5-dihydro-1H-imidazole hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 89197-32-0 (parent), 89197-00-2 (HCl (1:1))  
**Molecular Formula:** C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O.HCl **Molecular Weight:** 252.74  
**Batch Molecular Formula:** C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O.HCl **Batch Molecular Weight:** 252.74  
**Appearance:** Off-white solid **Observed mp:** 247.0 - 248.2 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.5%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 61.78, H 6.78, N 11.08; Found: C 61.55, H 6.80, N 10.98  
**Storage Conditions:** Desiccate at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	25.3	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	21.0	83.1	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 15-10-2020

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**