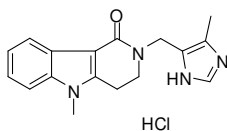


## Certificate of Analysis

**Axon Catalogue ID:** 1097 **Batch Number:** 1  
**Product Name:** Alosetron hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 5-Methyl-2-((4-methyl-1H-imidazol-5-yl)methyl)-2,3,4,5-tetrahydro-1H-pyrido[4,3-b]indol-1-one hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 122852-42-0 (parent), 122852-69-1 (HCl (1:1))  
**Molecular Formula:** C<sub>17</sub>H<sub>18</sub>N<sub>4</sub>O.HCl **Molecular Weight:** 330.81  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>18</sub>N<sub>4</sub>O.HCl **Batch Molecular Weight:** 330.81  
**Appearance:** White solid **Observed mp:** 288 - 291 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**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 61.72, H 5.79, N 16.94; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	33.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	22.0	66.5	Requires ultrasound and warming
	EtOH			Not Tested

**Remarks:**

**QC Date:** 17-8-2021

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**