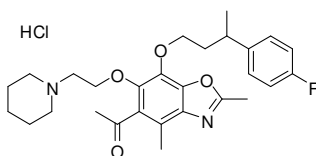




## Certificate of Analysis

**Axon Catalogue ID:** 1735 **Batch Number:** 1  
**Product Name:** Kv1.3 blocker 42  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 1-(7-(3-(4-Fluorophenyl)butoxy)-2,4-dimethyl-6-(2-(piperidin-1-yl)ethoxy)benzo[d]oxazol-5-yl)ethanone hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 1201582-43-5 (parent), 2108780-57-8 (HCl (1:1))  
**Molecular Formula:** C<sub>28</sub>H<sub>35</sub>FN<sub>2</sub>O<sub>4</sub>.HCl **Molecular Weight:** 519.05  
**Batch Molecular Formula:** C<sub>28</sub>H<sub>35</sub>FN<sub>2</sub>O<sub>4</sub>.HCl **Batch Molecular Weight:** 519.05  
**Appearance:** Off-white solid **Observed mp:** 135 - 137 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**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 64.79, H 6.99, N 5.40; Found: C N.D., H N.D., N N.D.  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	51.9	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Soluble
	EtOH			Not Tested

**Remarks:**

**QC Date:** 7-11-2011

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**