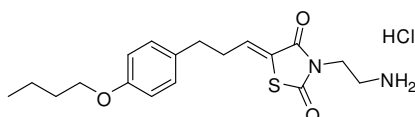




## Certificate of Analysis

**Axon Catalogue ID:** 2235 **Batch Number:** 1  
**Product Name:** K 145 hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 3-(2-Aminoethyl)-5-(3-(4-butoxyphenyl)propylidene)thiazolidine-2,4-dione hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 1309444-75-4 (parent), 1449240-68-9 (HCl (1:1))  
**Molecular Formula:** C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>S.HCl **Molecular Weight:** 384.92  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>S.HCl.0.25H<sub>2</sub>O **Batch Molecular Weight:** 389.42  
**Appearance:** White solid **Observed mp:** 185 °C  
**TLC (R<sub>f</sub>):** 0.35 DCM/MeOH (9:1)  
**Chemical Purity:** 99.5%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 55.52, H 6.60, N 7.19; Found: C 55.55, H 6.53, N 7.02  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	12.5	32.1	Sonication at 40°C enhances solubility
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	38.9	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 25-03-2019

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**