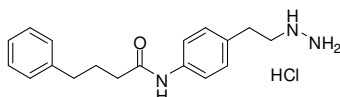




## Certificate of Analysis

**Axon Catalogue ID:** 2306 **Batch Number:** 1  
**Product Name:** Bizine  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-(4-(2-Hydrazinylethyl)phenyl)-4-phenylbutanamide hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 1591932-50-1 (parent), 2108826-15-7 (HCl (1:1))  
**Molecular Formula:** C<sub>18</sub>H<sub>23</sub>N<sub>3</sub>O.HCl **Molecular Weight:** 333.86  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>23</sub>N<sub>3</sub>O.HCl **Batch Molecular Weight:** 333.86  
**Appearance:** Light-grey solid **Observed mp:** 181 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (9:1)  
**Chemical Purity:** 98.5%  
**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 64.76, H 7.25, N 12.59; Found: C 64.75, H 7.29, N 12.64  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	8.5	25.5	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	33.4	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 14-2-2020

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**