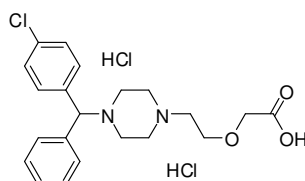




## Certificate of Analysis

**Axon Catalogue ID:** 3373 **Batch Number:** 1  
**Product Name:** Cetirizine dihydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(2-(4-((4-Chlorophenyl)(phenyl)methyl)piperazin-1-yl)ethoxy)acetic acid dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 83881-51-0 (parent), 83881-52-1 (HCl (1:2))  
**Molecular Formula:** C<sub>21</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>3</sub>.2HCl **Molecular Weight:** 461.81  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>3</sub>.2HCl **Batch Molecular Weight:** 461.81  
**Appearance:** White solid **Observed mp:** >213 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.35 DCM/MeOH (9:1)  
**Chemical Purity:** 99.9%  
**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 54.62, H 5.89, N 6.07; Found: C 54.35, H 5.87, N 6.01  
**Storage Conditions:** Desiccate at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	46.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	46.2	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 06-04-2021

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**