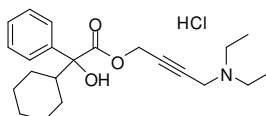




## Certificate of Analysis

**Axon Catalogue ID:** 3505 **Batch Number:** 1  
**Product Name:** Oxybutynin hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-(Diethylamino)but-2-ynyl 2-cyclohexyl-2-hydroxy-2-phenylacetate hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 5633-20-5 (parent), 1508-65-2 (HCl (1:1))  
**Molecular Formula:** C<sub>22</sub>H<sub>31</sub>NO<sub>3</sub>.HCl **Molecular Weight:** 393.95  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>31</sub>NO<sub>3</sub>.HCl.0.5H<sub>2</sub>O **Batch Molecular Weight:** 402.96  
**Appearance:** White solid **Observed mp:** >126 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.56 DCM/MeOH (20:1)  
**Chemical Purity:** 100%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 65.57, H 8.25, N 3.48; Found: C 65.56, H 8.48, N 3.38  
**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	40.3	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.3	>100 mM	
	EtOH	40.3	>100 mM	

**Remarks:**

**QC Date:** 28-10-2021

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**