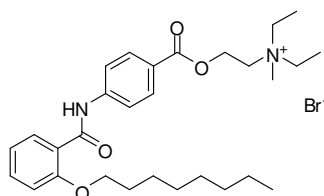




## Certificate of Analysis

**Axon Catalogue ID:** 3158 **Batch Number:** 1  
**Product Name:** Otilonium bromide  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N,N-Diethyl-N-methyl-2-(4-(2-(octyloxy)benzamido)benzoyloxy)ethanaminium bromide

**Structure:**



**Amount:**

**CAS number(s):** 105360-89-2 (parent), 26095-59-0 (bromide (1:1))  
**Molecular Formula:** C<sub>29</sub>H<sub>43</sub>BrN<sub>2</sub>O<sub>4</sub> **Molecular Weight:** 563.57  
**Batch Molecular Formula:** C<sub>29</sub>H<sub>43</sub>BrN<sub>2</sub>O<sub>4</sub>·1.25H<sub>2</sub>O **Batch Molecular Weight:** 586.09  
**Appearance:** White solid **Observed mp:** 170.3 - 171.9 °C  
**TLC (R<sub>f</sub>):** 0.35 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**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 59.43, H 7.83, N 4.78; Found: C 59.28, H 7.94, N 4.82  
**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	2.4	4.1	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	58.6	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 20-07-2020

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**