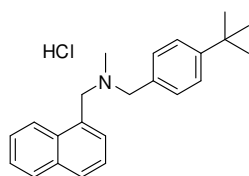




## Certificate of Analysis

**Axon Catalogue ID:** 3380 **Batch Number:** 1  
**Product Name:** Butenafine hydrochloride  
**Alternative Name(s):** KP363  
**IUPAC Name:** N-(4-tert-Butylbenzyl)-N-methyl-1-(naphthalen-1-yl)methanamine hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 101828-21-1 (parent), 101827-46-7 (HCl (1:1))  
**Molecular Formula:** C<sub>23</sub>H<sub>27</sub>N.HCl **Molecular Weight:** 353.93  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>27</sub>N.HCl **Batch Molecular Weight:** 353.93  
**Appearance:** White solid **Observed mp:** 217.3 - 219.8 °C  
**TLC (R<sub>f</sub>):** 0.63 Hex/EtOAc (9:1)  
**Chemical Purity:** 100%  
**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 78.05, H 7.97, N 3.96; Found: C 78.23, H 8.21, N 3.98  
**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		0.0	0.0
0.1N NaOH (aq)				Not Tested
0.1N HCl (aq)				Not Tested
DMSO		15.4	43.4	
EtOH				Not Tested

**Remarks:**

**QC Date:** 13-04-2021

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**