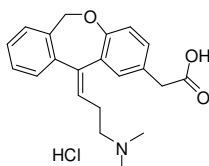




Certificate of Analysis

Axon Catalogue ID: 3642 **Batch Number:** 1
Product Name: Olopatadine hydrochloride
Alternative Name(s): AL4943A; KW4679
IUPAC Name: (Z)-2-(11-(3-(dimethylamino)propylidene)-6,11-dihydrodibenzo[b,e]oxepin-2-yl)acetic acid hydrochloride

Structure:



Amount:

CAS number(s): 113806-05-6 (parent), 140462-76-6 (HCl (1:1))
Molecular Formula: C₂₁H₂₃NO₃.HCl **Molecular Weight:** 373.87
Batch Molecular Formula: C₂₁H₂₃NO₃.HCl **Batch Molecular Weight:** 373.87
Appearance: White solid **Observed mp:** >252 °C (decomp)
TLC (R_f): 0.36 DCM/MeOH (4:1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.46, H 6.47, N 3.75; Found: C 67.23, H 6.41, N 3.57
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	10.4	27.8	* Warming (40°C)
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	37.4	>100 mM	
	EtOH	3.8	10.2	* Warming (40°C) and sonication

Remarks: * Warming (40°C) and/or sonication enhanced solubility.

QC Date: 31-8-2022

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only