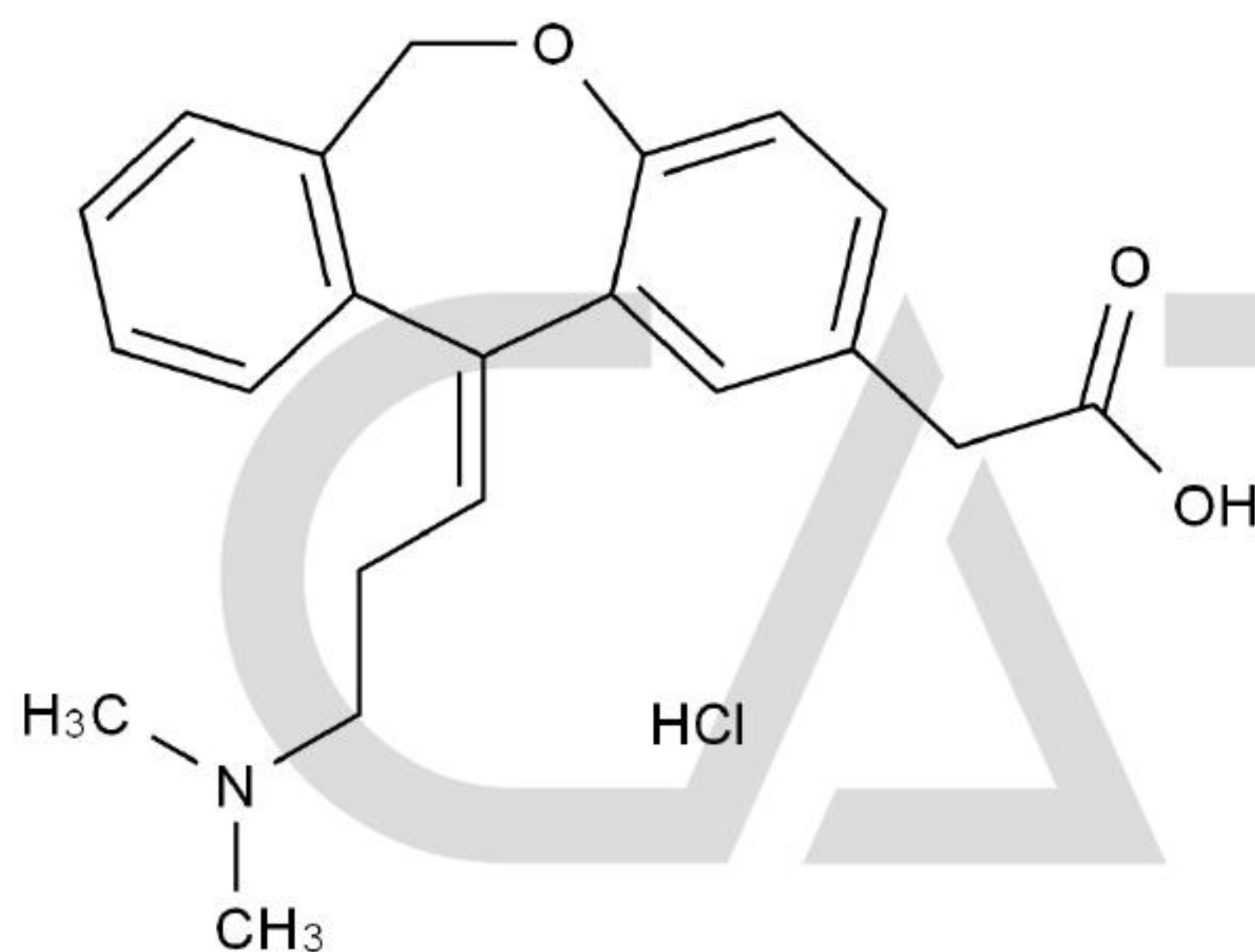


Certificate of Analysis

Reference Material & Standard

Product Name:	Olopatadine Impurity 7	Catalogue Number:	C4X-17187
Synonyms:	{(11E)-11-[3-(Dimethylamino)propylidene]-6,11-dihydrodibenzo[b,e]oxepin-2-yl} acetic acid hydrochloride(1:1)	Lot Number:	0114-RH-0058
CAS Number:	949141-22-4	Expiry Date:	Jan 21, 2030
Molecular Formula:	C ₂₁ H ₂₃ NO ₃ HCl	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	337.41 36.46	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	96.085%
Residue on Ignition	TGA	0.3921%
Loss On Drying	TGA	5.6940%
Assay	qNMR	90.4%
Assay	Mass Balance	90.2%

Comment:

- The retest date of this product is Jan 21, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Jan 22, 2026

Date: Jan 22, 2026

Date: Jan 22, 2026

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