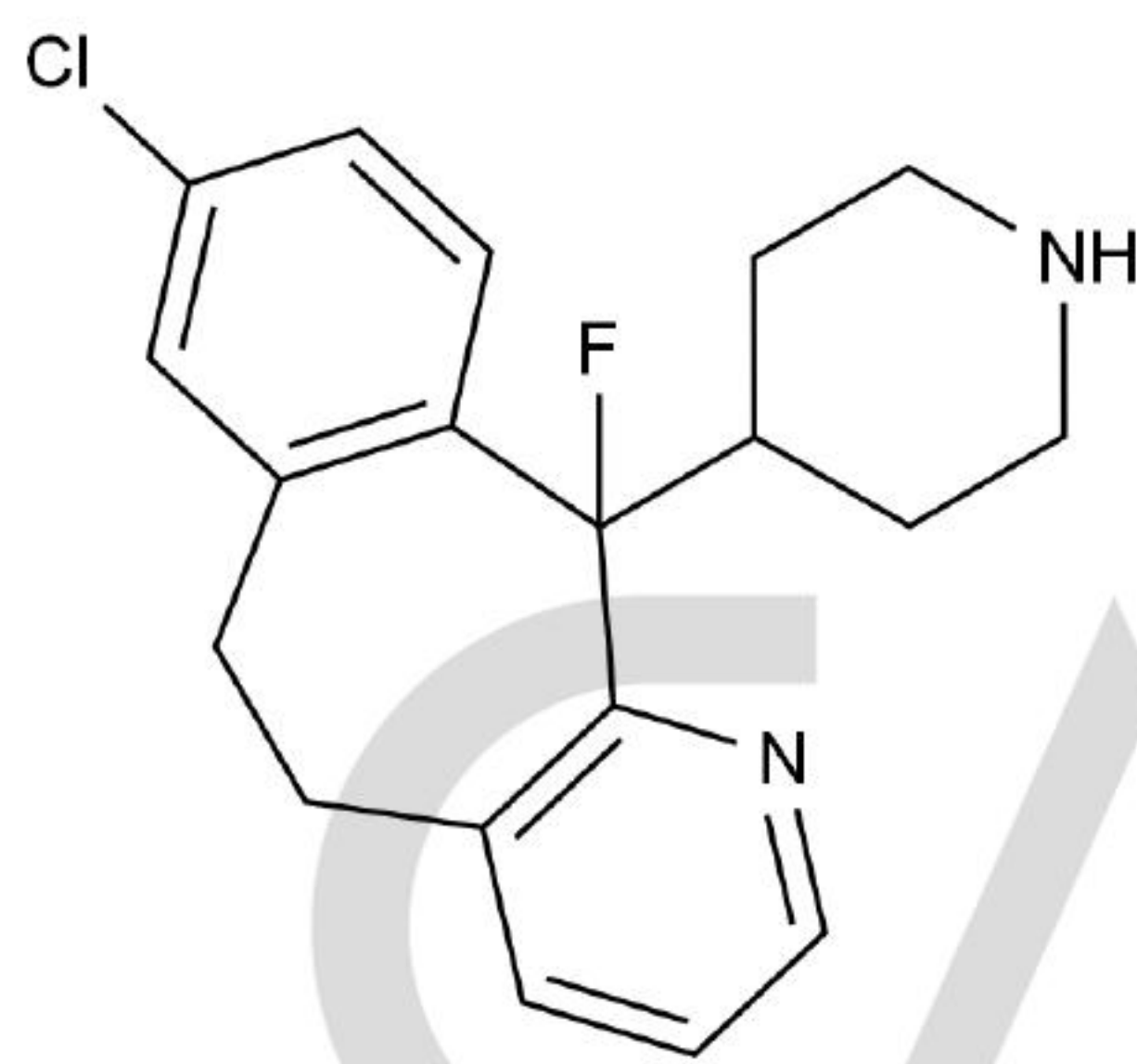


Certificate of Analysis

Reference Material & Standard

Product Name:	Desloratadine EP Impurity A	Catalogue Number:	C4X-143018
Synonyms:	8-Chloro-11-fluoro-11-(piperidin-4-yl)-6,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]pyridine	Lot Number:	0709-RH-0007
CAS Number:	298220-99-2	Expiry Date:	Jul 19, 2030
Molecular Formula:	C ₁₉ H ₂₀ ClFN ₂	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	330.83	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	97.818%
Residue on Ignition	TGA	0.3931%
Loss on Drying	TGA	2.8269%
Assay	qNMR	93.9%
Assay	Mass Balance	94.7%

Comment:

- The retest date of this product is Jul 19, 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: Jul 20, 2026

Date: Jul 20, 2026

Date: Jul 20, 2026



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