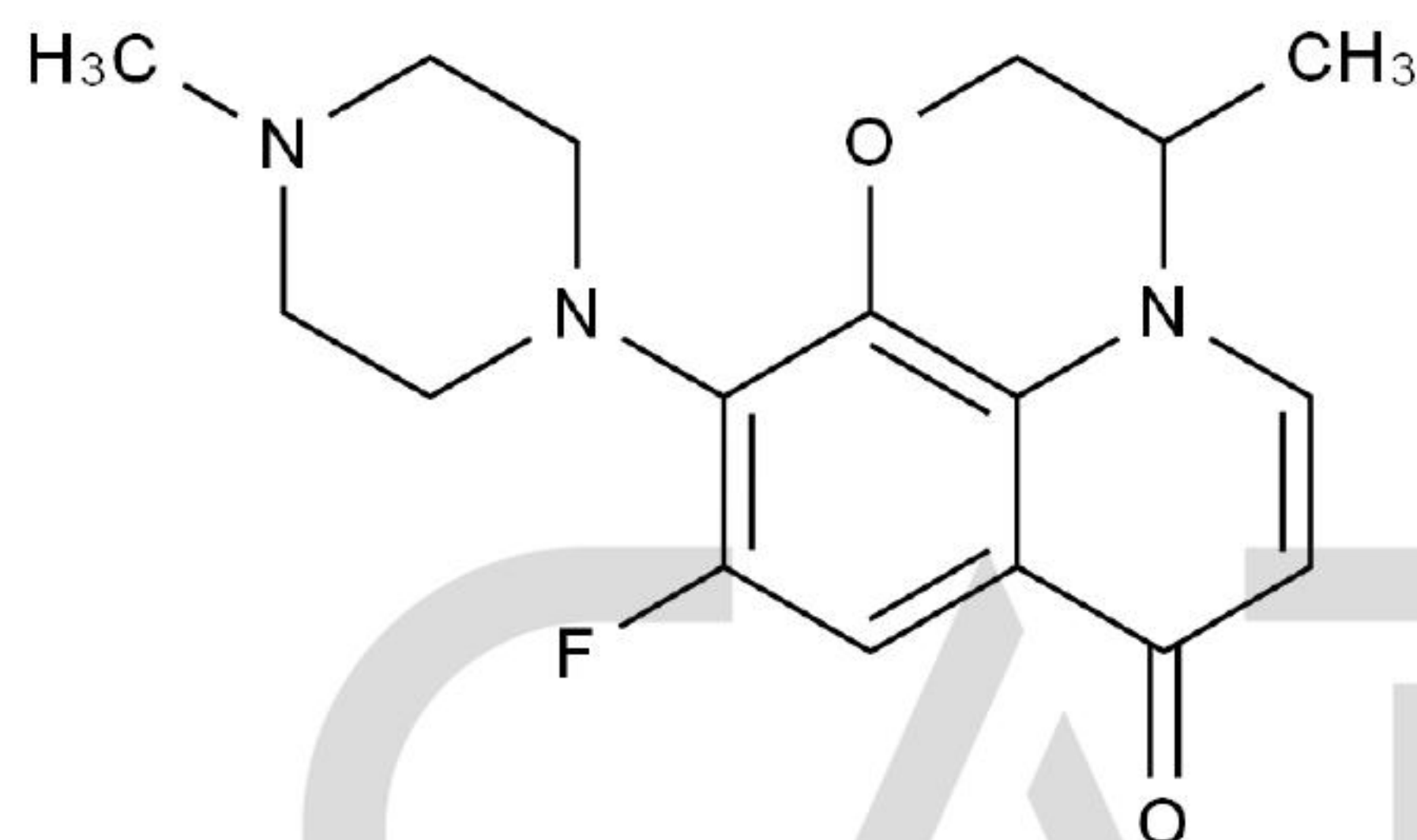


Certificate of Analysis

Reference Material & Standard

Product Name:	Ofloxacin EP Impurity B	Catalogue Number:	C4X-17172
Synonyms:	9-Fluoro-3-methyl-10-(4-methylpiperazin-1-yl)-2,3-dihydro-7H-[1,4]oxazino[2,3,4-ij]quinolin-7-one	Lot Number:	0401-RH-0035
CAS Number:	123155-82-8	Expiry Date:	May 26, 2030
Molecular Formula:	C ₁₇ H ₂₀ FN ₃ O ₂	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	317.36	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile, DMSO and Chloroform		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.794%
Water Content	Karl Fischer	2.5760%
Residual Solvents	NMR	Not detected in NMR
Residue on Ignition	TGA	0.1891%
Assay	qNMR	96.8%
Assay	Mass Balance	97.0%

Comment:

- The retest date of this product is May 26, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents} - \text{Residue on Ignition}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content, Residual Solvents and Residue on Ignition 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: May 27, 2026

Date: May 27, 2026

Date: May 27, 2026



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