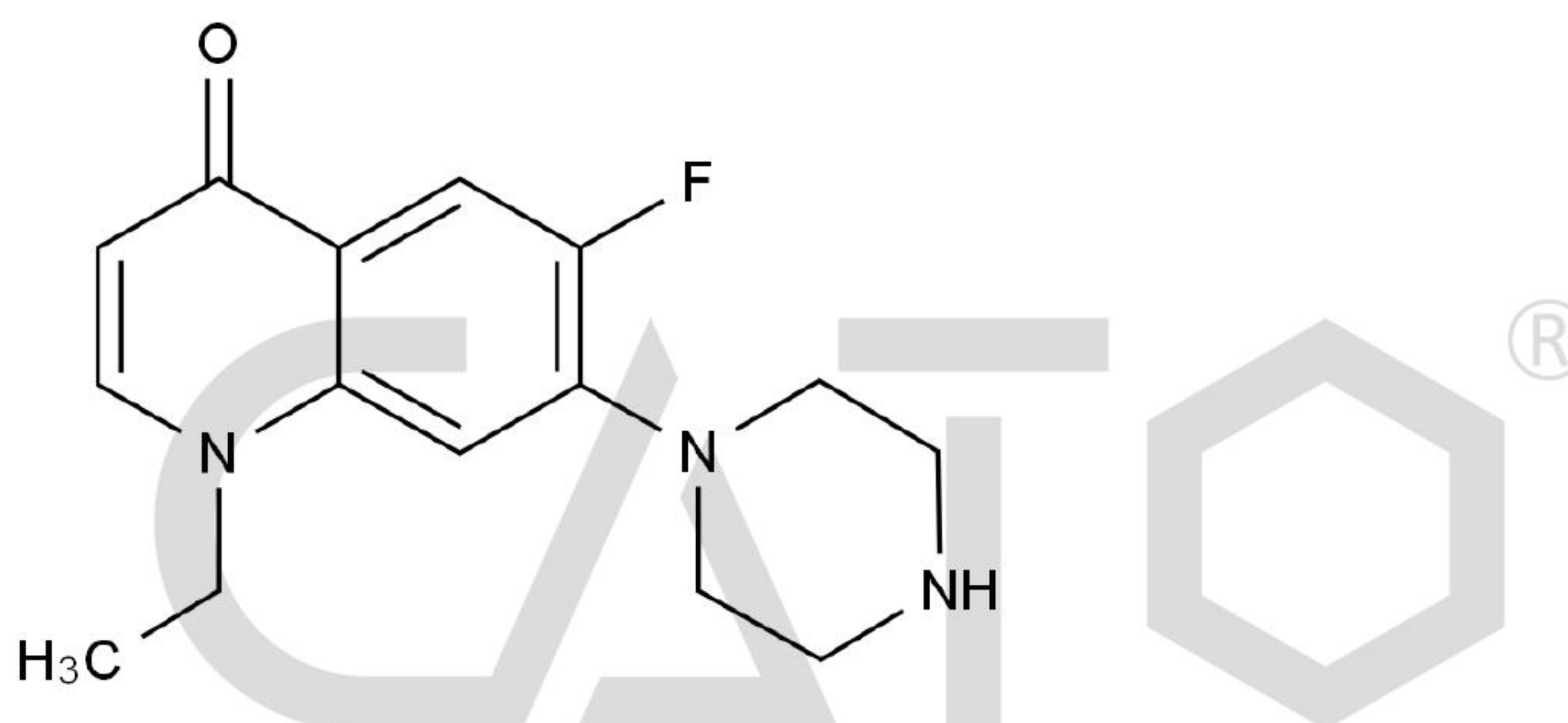


Certificate of Analysis

Reference Material & Standard

Product Name:	Norfloxacin EP Impurity D	Catalogue Number:	C4X-14684
Synonyms:	N/A	Lot Number:	0721-RH-0022
CAS Number:	75001-82-0	Expiry Date:	Jul 22, 2030
Molecular Formula:	C ₁₅ H ₁₈ FN ₃ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	275.32	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.686%
Loss on Drying	TGA	5.3255%
Assay		94.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 23, 2026

Date: Jul 23, 2026

Date: Jul 23, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

