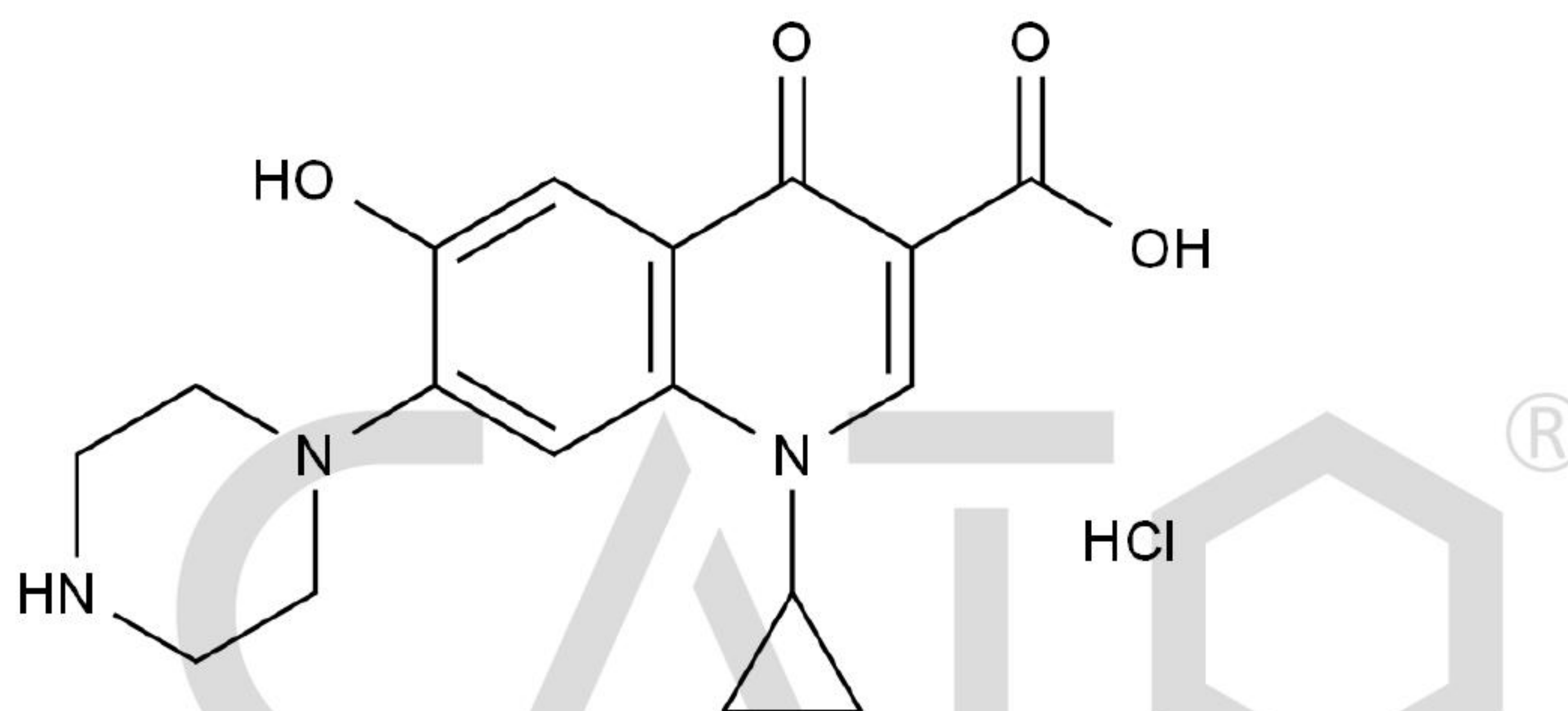


Certificate of Analysis

Reference Material & Standard

Product Name:	Ciprofloxacin EP Impurity F	Catalogue Number:	C4X-13626
Synonyms:	N/A	Lot Number:	0821-RF-0038
CAS Number:	226903-07-7	Expiry Date:	Aug 20, 2027
Molecular Formula:	C ₁₇ H ₁₉ N ₃ O ₄ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	329.35 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.102%
Residue on Ignition	TGA	0.3312%
Loss On Drying	TGA	3.9710%
Assay		92.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * 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:

Lisa

Approved by General Manager:

David

Date: Aug 21, 2024

Date: Aug 21, 2024

Date: Aug 21, 2024

