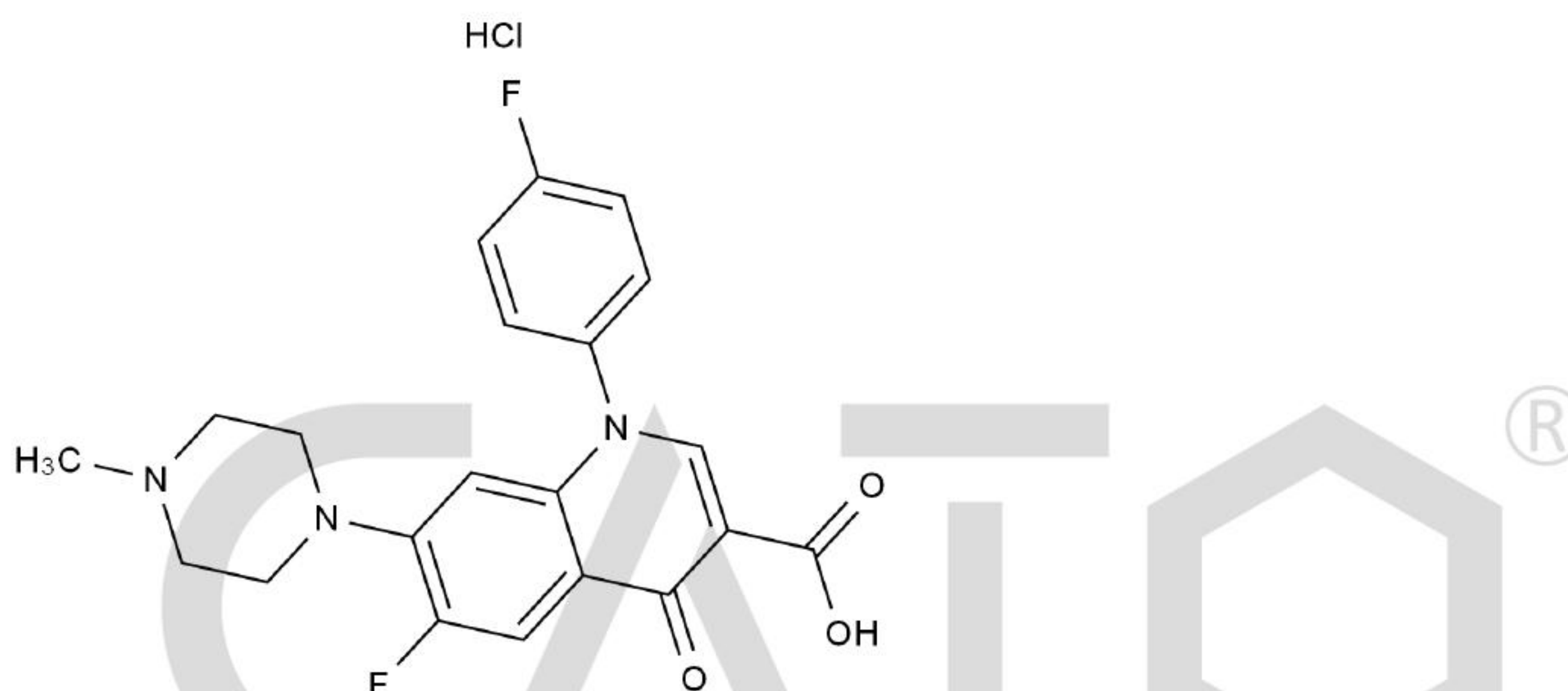


Certificate of Analysis

Reference Material & Standard

Product Name:	Difloxacin Hydrochloride	Catalogue Number:	CNFA410130
Synonyms:	N/A	Lot Number:	0905-RF-0068
CAS Number:	91296-86-5	Expiry Date:	Sep 12, 2028
Molecular Formula:	C ₂₁ H ₁₉ F ₂ N ₃ O ₃ HCl	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	399.39 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.7%
Assay	qNMR	95.2%
Assay(Free base)		87.2%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 13, 2024

Date: Sep 14, 2024

Date: Sep 14, 2024

