

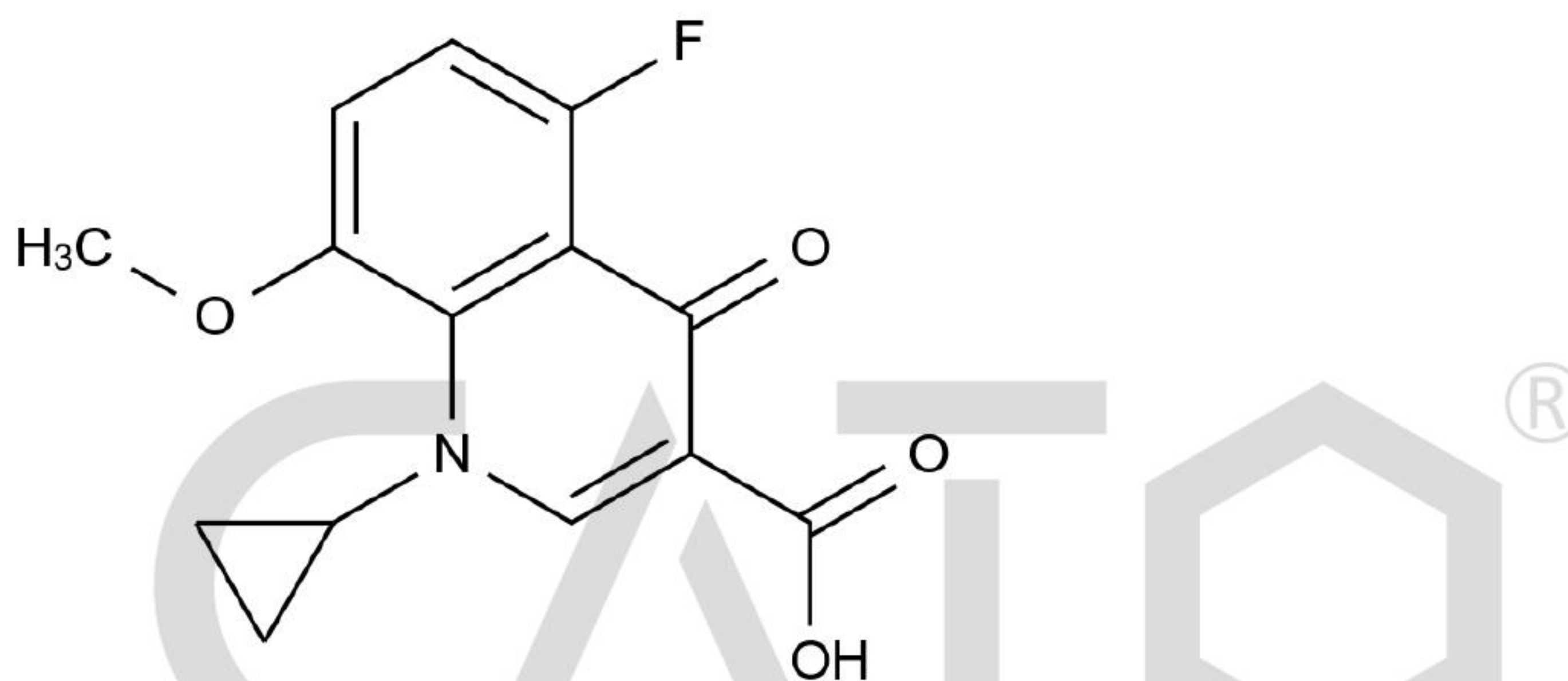
Certificate of Analysis

Reference Material & Standard

Product Name:	Nemonoxacin Impurity 53	Catalogue Number:	C4X-312853
Synonyms:	N/A	Lot Number:	1127-RF-0057
CAS Number:	N/A	Expiry Date:	Nov 28, 2027
Molecular Formula:	C ₁₄ H ₁₂ FNO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	277.25	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.933%
Loss On Drying	TGA	0.1182%
Assay		99.8%

Comment:

The calculation of the 100% 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: Nov 29, 2024

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