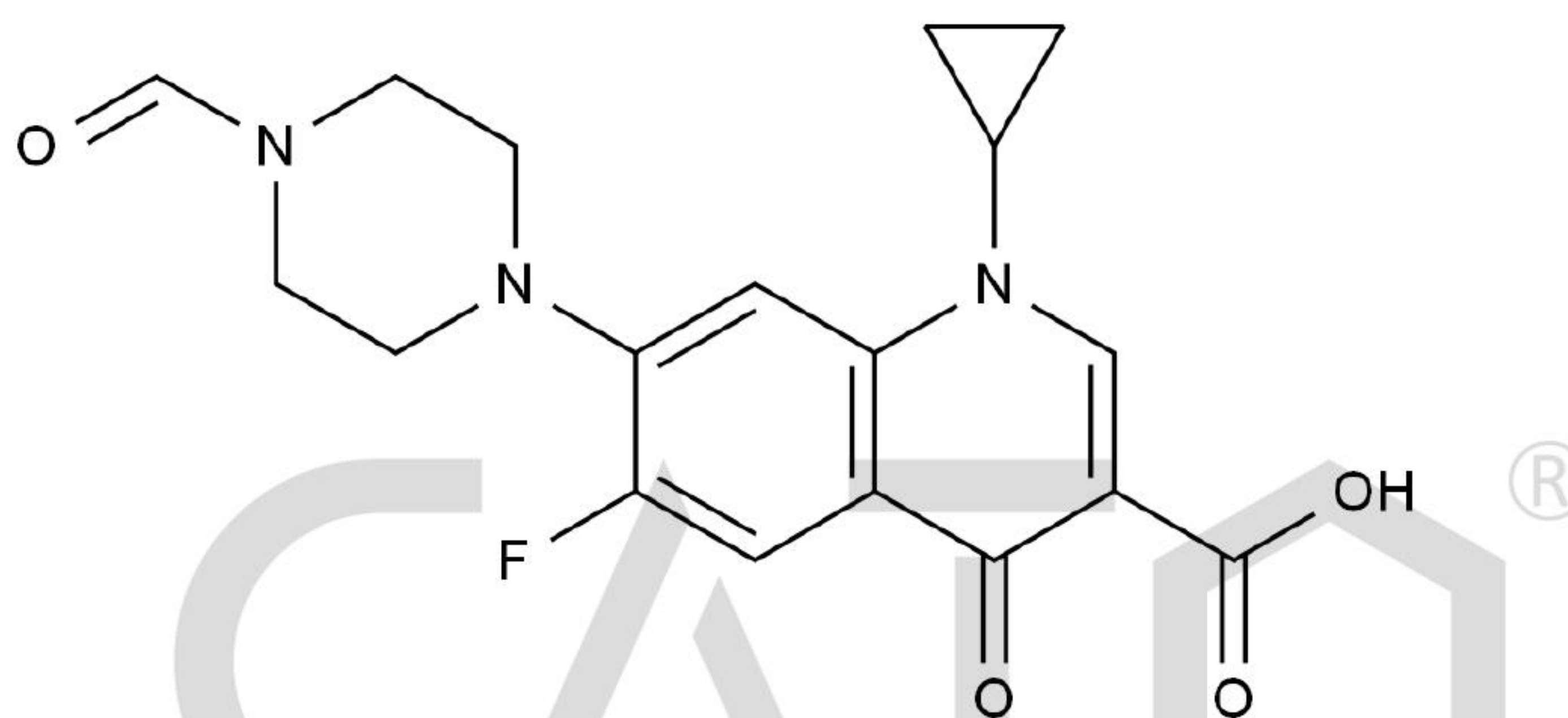


Certificate of Analysis

Reference Material & Standard

Product Name:	Ciprofloxacin Impurity 21	Catalogue Number:	C4X-136221
Synonyms:	N/A	Lot Number:	0918-RF-0029
CAS Number:	93594-39-9	Expiry Date:	Sep 22, 2027
Molecular Formula:	C ₁₈ H ₁₈ FN ₃ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	359.35		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.584%
Loss On Drying	TGA	2.3041%
Assay		95.3%

Comment:

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

Assay (%) = (100% - Loss On Drying) * 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: Sep 23, 2024

Date: Sep 24, 2024

Date: Sep 24, 2024

