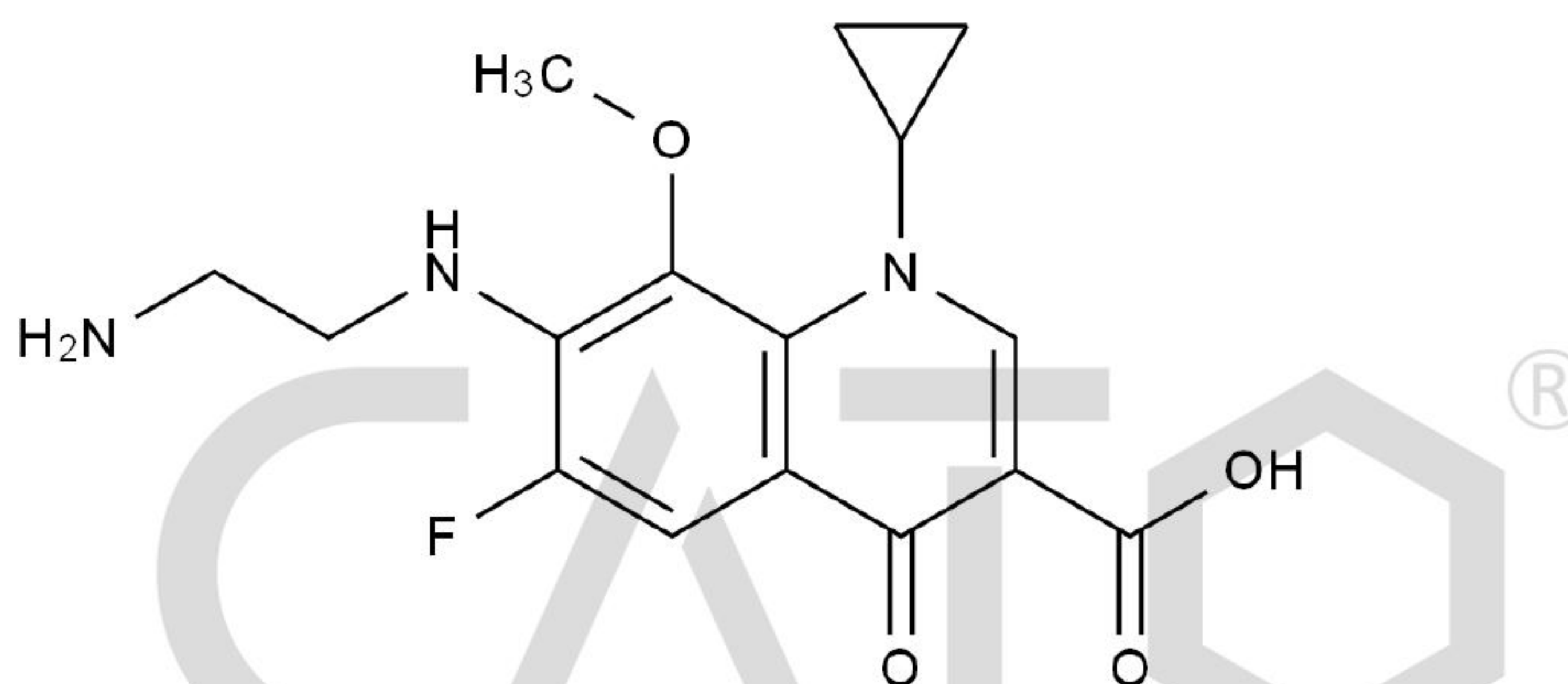


Certificate of Analysis

Reference Material & Standard

Product Name:	Gatifloxacin Impurity 2	Catalogue Number:	C4X-12532
Synonyms:	N/A	Lot Number:	0528-RH-0066
CAS Number:	172426-86-7	Expiry Date:	Jun 01, 2030
Molecular Formula:	C ₁₆ H ₁₈ FN ₃ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	335.33	Shipping Condition:	Shipping at Room Temperature
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.427%
Loss on Drying	TGA	4.6982%
Assay		93.8%

Comment:

The calculation of the mass balance 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: Jun 02, 2026

Date: Jun 02, 2026

Date: Jun 02, 2026

