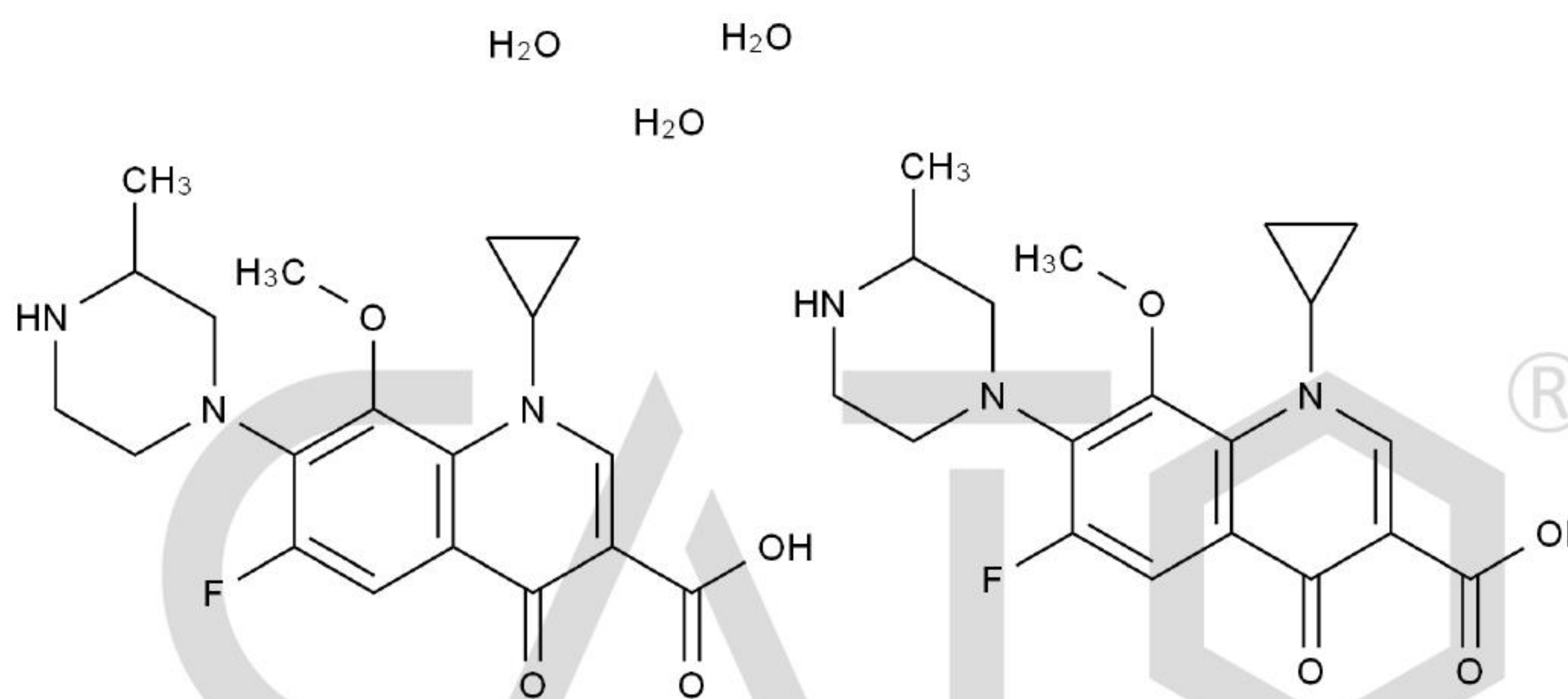


Certificate of Analysis

Reference Material & Standard

Product Name:	Gatifloxacin Sesquihydrate	Catalogue Number:	C4X-1253
Synonyms:	N/A	Lot Number:	0817-RH-0074
CAS Number:	180200-66-2	Expiry Date:	Aug 20, 2030
Molecular Formula:	2*C ₁₉ H ₂₂ FN ₃ O ₄ 3*H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*375.39 3*18.02	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	7.7863%
Water Content(Free Water)		1.0694%
Residue on Ignition	TGA	0.5443%
Assay		98.4%

Comment:

- The content of crystal water is 6.7169%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)} - \text{Residue on Ignition}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content(Free Water) and Residue on Ignition are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 21, 2026

Date: Aug 21, 2026

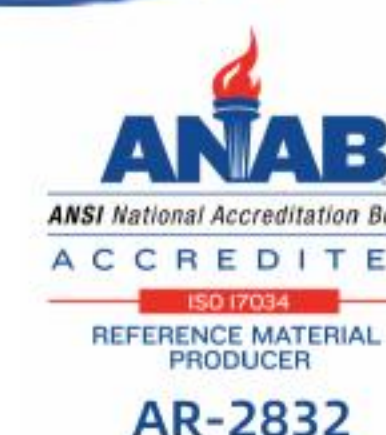
Date: Aug 21, 2026

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