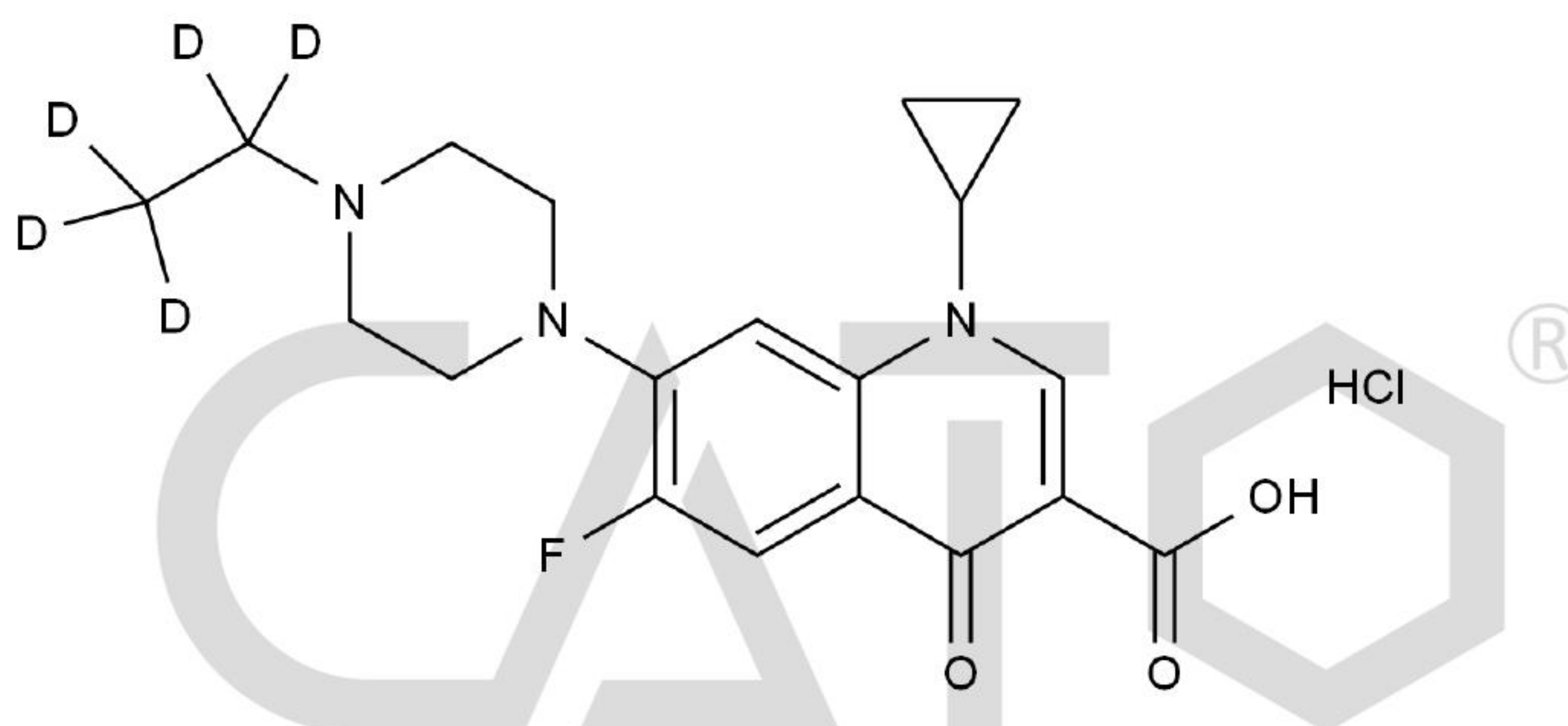


Certificate of Analysis

Reference Material & Standard

Product Name:	Enrofloxacin D5 hydrochloride	Catalogue Number:	CCAD301655
Synonyms:	N/A	Lot Number:	1228-RD-0017
CAS Number:	2733718-29-9	Expiry Date:	Sep 22, 2025
Molecular Formula:	C ₁₉ H ₁₇ D ₅ FN ₃ O ₃ HCl	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	364.43 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Chemical Purity	HPLC	100.0%
Isotopic Purity		98.75%
Water Content	Karl Fischer	1.65%
Assay		98.4%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.
3. 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:

Xenia

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 23, 2021

Date: Dec 30, 2022

Date: Dec 30, 2022

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