

Certificate of Analysis

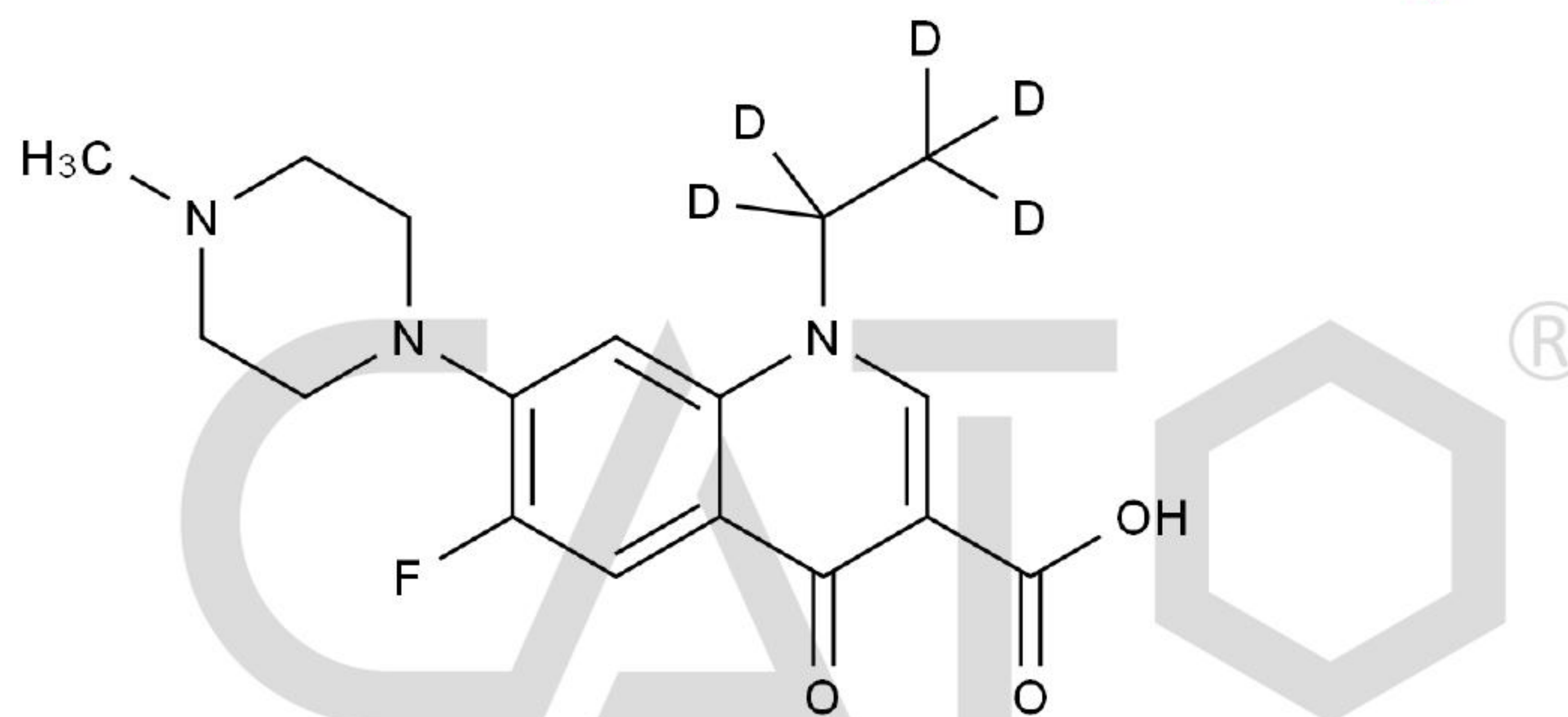
Reference Material & Standard

Product Name:	Pefloxacin-D5	Catalogue Number:	CCAD301221
Synonyms:	N/A	Lot Number:	0515-RG-0104
CAS Number:	1228182-51-1	Expiry Date:	Aug 20, 2028
Molecular Formula:	C ₁₇ H ₁₅ D ₅ FN ₃ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	338.39	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow to White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	98.4%
Isotopic Purity		99.46%
Uncertainty		±0.3%

Comment:

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:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: May 16, 2025

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