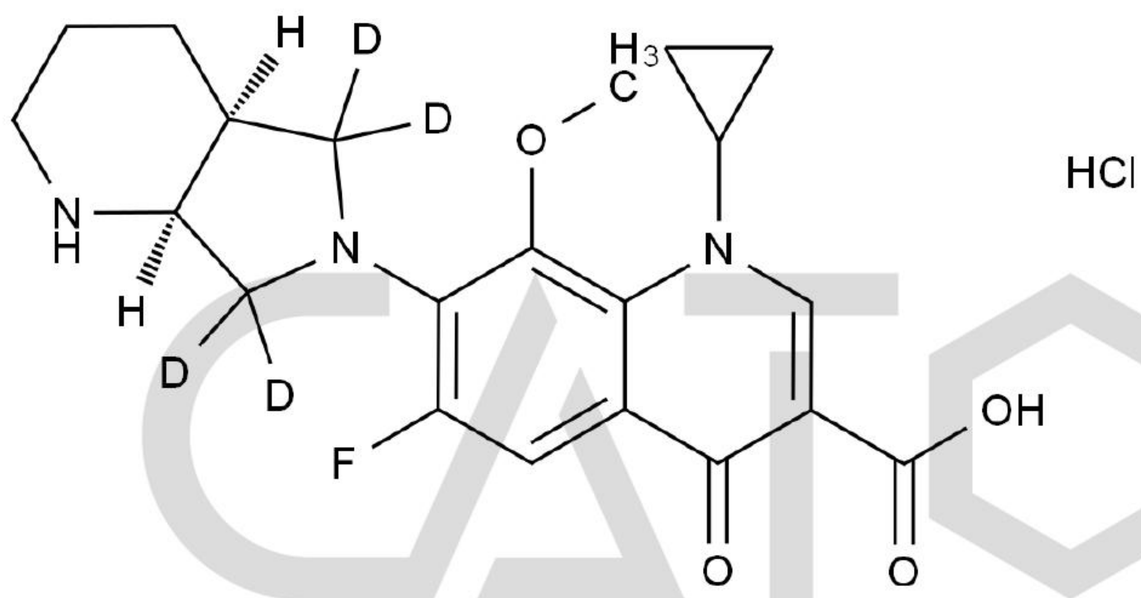
Certificate of Analysis

Reference Material & Standard

Product Name:	Moxifloxacin-d4 HCl	**Catalogue Number:**	C4X-107479
Synonyms:	N/A	**Lot Number:**	0418-RE-0001
CAS Number:	N/A	**Expiry Date:**	Aug 19, 2025
Molecular Formula:	$C_{21}H_{20}D_4FN_3O_4$ HCl	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	405.46 36.46	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.6%
Isotopic Purity		99.3%
Residual Solvents	NMR	1.4% methanol
Specific Rotation		[α]D25.0(c=0.41,H2O): -98.8°
Assay	qNMR	94.3%

CATO Research Chemicals Inc.

Comment:

Assay was determined by quantitative 1H-NMR.

Signature:

Prepared by: Nacy Date: Aug 20, 2022

Reviewed by: Xenia Date: Apr 21, 2023

Approved by General Manager: David Date: Apr 21, 2023

CATO Research Chemicals Inc.