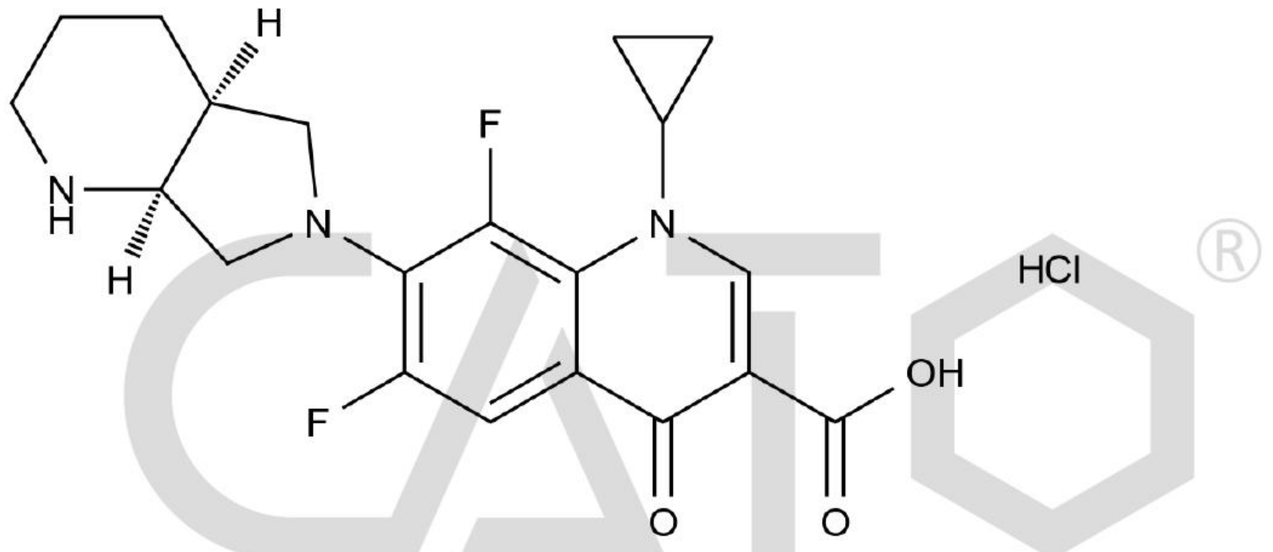
Certificate of Analysis

Reference Material & Standard

Product Name:	Moxifloxacin EP Impurity A HCl	**Catalogue Number:**	C4X-10741
Synonyms:	N/A	**Lot Number:**	0930-RD-0111
CAS Number:	151282-23-4	**Expiry Date:**	Jan 11, 2030
Molecular Formula:	$C_{20}H_{21}F_2N_3O_3$ HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	389.40 36.46	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	3.193%
Assay		96.8%

CATO Research Chemicals Inc.

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: Hinlam Date: Sep 28, 2026

Reviewed by: Koi Date: Sep 28, 2026

Approved by General Manager: David Date: Sep 28, 2026

CATO Research Chemicals Inc.