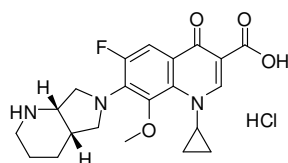


Certificate of Analysis

Axon Catalogue ID: 3306 **Batch Number:** 1
Product Name: Moxifloxacin hydrochloride
Alternative Name(s): BAY 12-8039
IUPAC Name: 1-Cyclopropyl-6-fluoro-8-methoxy-4-oxo-7-((4aS,7aS)-tetrahydro-1H-pyrrolo[3,4-b]pyridin-6(2H,7H,7aH)-yl)-1,4-dihydroquinoline-3-carboxylic acid hydrochloride

Structure:



Amount:

CAS number(s): 151096-09-2 (parent), 186826-86-8 (HCl (1:1))
Molecular Formula: C₂₁H₂₄FN₃O₄.HCl **Molecular Weight:** 437.89
Batch Molecular Formula: C₂₁H₂₄FN₃O₄.HCl.1H₂O **Batch Molecular Weight:** 455.91
Appearance: Light-yellow solid **Observed mp:** >280 °C (decomp)
TLC (R_f): 0.24 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 55.32, H 5.97, N 9.22; Found: C 55.36, H 5.80, N 9.31
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	13.6	29.8	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	45.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 24-01-02021

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only