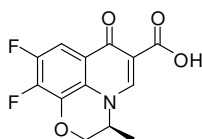




## Certificate of Analysis

**Axon Catalogue ID:** 2242 **Batch Number:** 1  
**Product Name:** Levofloxacin Q-acid  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-9,10-Difluoro-3-methyl-7-oxo-3,7-dihydro-2H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid

**Structure:**



**Amount:**

**CAS number(s):** 100986-89-8  
**Molecular Formula:** C<sub>13</sub>H<sub>9</sub>F<sub>2</sub>NO<sub>4</sub> **Molecular Weight:** 281.21  
**Batch Molecular Formula:** C<sub>13</sub>H<sub>9</sub>F<sub>2</sub>NO<sub>4</sub> **Batch Molecular Weight:** 281.21  
**Appearance:** Off-white solid **Observed mp:** > 300 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.8 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 55.52, H 3.23, N 4.98; Found: C 55.14, H 3.29, N 4.99  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	17.0	60.5	
	0.1N HCl (aq)			Not Tested
	DMSO	28.1	>100 mM	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

**QC Date:** 01-05-2019

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**