



## CERTIFICATE OF ANALYSIS

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### 1. Identification

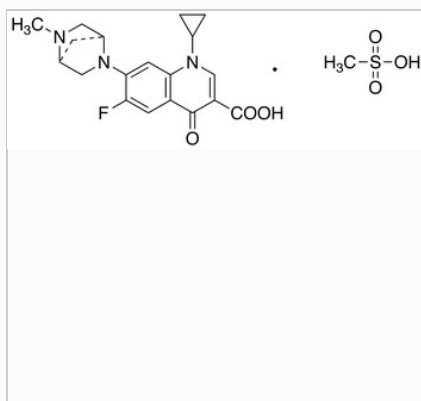
**Catalogue Number:** D153400

**CAS Number:** 119478-55-6

**Product:** Danofloxacin Mesylate

**Synonym:** 1-Cyclopropyl-6-fluoro-1,4-dihydro-7-[(1S,4S)-5-methyl-2,5-diazabicyclo[2.2.1]hept-2-yl]-4-oxo-3-Quinolinecarboxylic Acid Mesylate; Danofloxacin Methanesulfonate; CP-76136-27; Advocin;

**Structure:**



**Molecular Formula:**

C<sub>20</sub>H<sub>24</sub>FN<sub>3</sub>O<sub>6</sub>S

**Molecular weight:**

453.48

**Source of Product:**

Synthetic

**Solubility:**

Aqueous Base (Slightly, Sonicated), DMSO (Slightly, Sonicated), Methanol (Slight)

**Lot Number:** 17-SSR-113-1

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.76, %H: 5.22, %N: 8.89
MS	Conforms to Structure	Conforms
Water Content	Report Result	~4.2% based on Elemental Analysis
Specific Rotation	Report Result	-171.8° (c = 0.5, 0.1N NaOH)

**Additional Information:**

Elemental Analysis: (Theoretical) %C: 52.97, %H: 5.33, %N: 9.27

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Hanxiang Li	Toni Rantanen	My Nguyen	10/14/2020	10/12/2030

Hanxiang Li

Toni Rantanen

My Nguyen