Certificate of Analysis

Danofloxacin-d₃-1

 Cat. No.:
 HY-W011117S1

 CAS No.:
 1217683-55-0

Batch No.: 253300

Chemical Name: 1-Cyclopropyl-6-fluoro-7-((1S,4S)-5-(methyl-d3)-2,5-diazabicyclo[2.2.1]heptan-2-yl)-4-oxo-1,4-di

hydroquinoline-3-carboxylic acid

PHYSICAL AND CHEMICAL PROPERTIES

 $\label{eq:control_state} \mbox{Molecular Formula:} \qquad \qquad \mbox{C_{19}H$}_{17}\mbox{$D_{3}$FN}_{3}\mbox{$O_{3}$}$

Molecular Weight: 360.40

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

Chemical Structure:

$$\begin{array}{c|c} D & H & \\ D & N & H & \\ H & & N & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ &$$

ANALYTICAL DATA

Appearance: White to off-white (Solid)

Purity (HPLC): 99.85%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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