

Certificate of Analysis

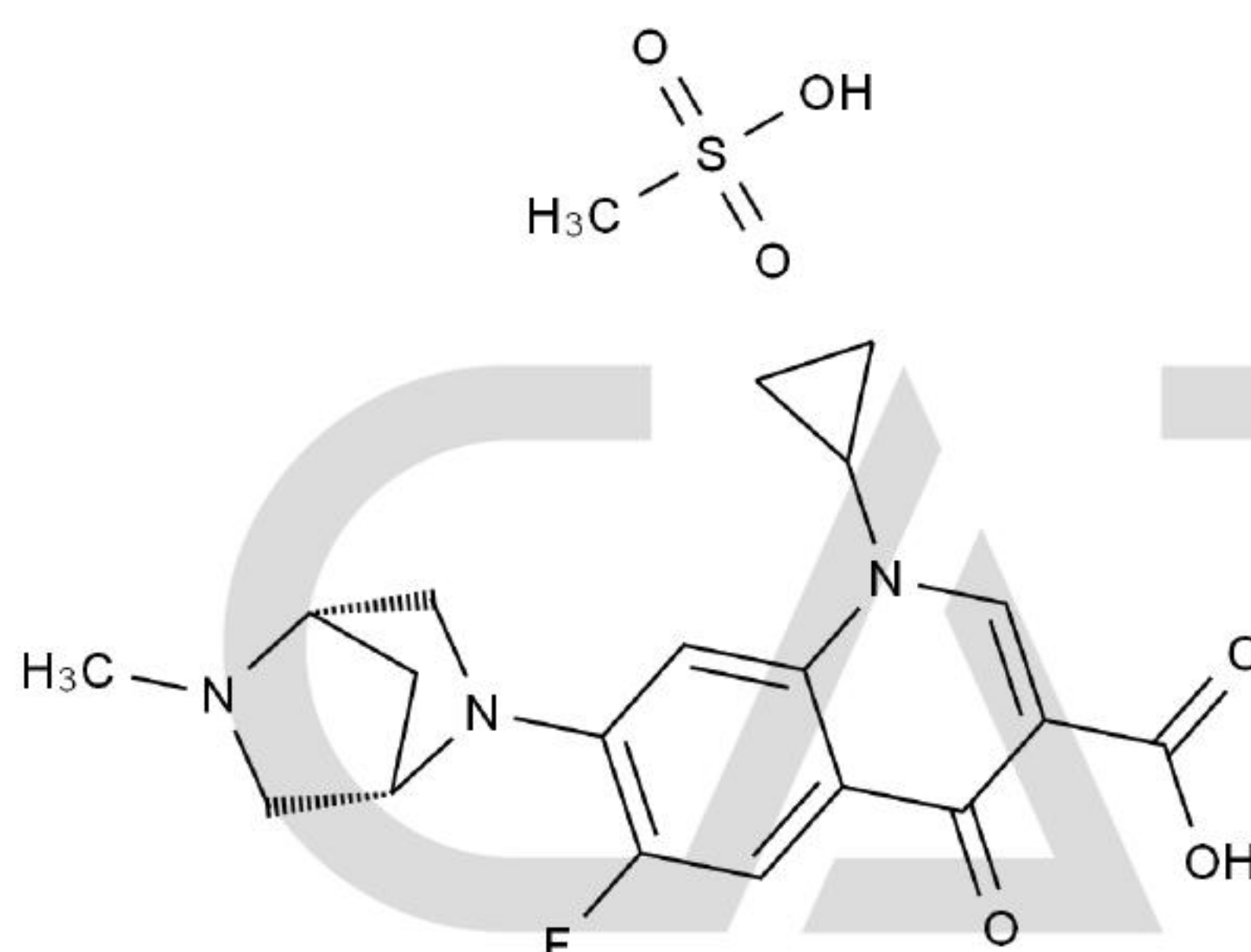
Reference Material & Standard

Product Name:	Danofloxacin Mesylate	Catalogue Number:	CNFA410140
Synonyms:	N/A	Lot Number:	0904-RF-0011
CAS Number:	119478-55-6	Expiry Date:	Sep 02, 2028
Molecular Formula:	C ₁₉ H ₂₀ FN ₃ O ₃ CH ₄ O ₃ S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	357.38 96.11	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.738%
Water Content	Karl Fischer	3.9978%
Assay		95.8%
Uncertainty		±2.0%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 03, 2024

Date: Sep 04, 2024

Date: Sep 04, 2024



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