



CERTIFICATE OF ANALYSIS

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1. Identification

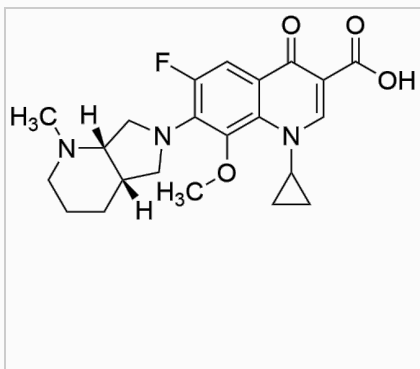
Catalogue Number: M221824

CAS Number: 721970-37-2

Product: N-Methyl Moxifloxacin

Synonym: 1-Cyclopropyl-6-fluoro-8-methoxy-7-((4aS,7aS)-1-methyloctahydro-6H-pyrrolo[3,4-b]pyridin-6-yl)-4-oxo-1,4-dihydroquinoline-3-carboxylic Acid;

Structure:



Molecular Formula:

C₂₂H₂₆FN₃O₄

Molecular weight:

415.46

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 711809174-1-1

Purity: 97%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|-----------------------------------|-----------------------------------|
| Elemental Analysis | Conforms | %C: 64.06, %H: 6.31, %N: 10.24 |
| NMR | Conforms to Structure | Conforms |
| F NMR | Conforms to Structure | Conforms |
| Specific Rotation | Report Result | -161.4° (c = 0.1, Chloroform) |
| Appearance | Pale Yellow to Light Yellow Solid | Pale Yellow to Light Yellow Solid |
| HPLC Purity | Report Result | 97.65% (295 nm) |

Additional Information: N/A

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 |
|---------------|---------------|---------------------|-----------|-------------|
| Sarbjeet Kaur | Toni Rantanen | Christina Gouliaras | 6/22/2023 | 6/20/2027 |