



CERTIFICATE OF ANALYSIS

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1. Identification

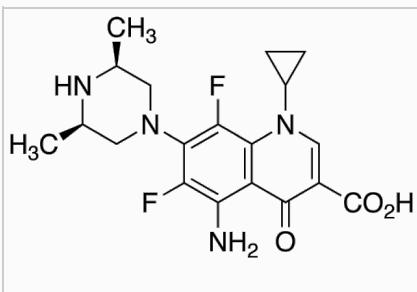
Catalogue Number: S679250

CAS Number: 110871-86-8

Product: Sparfloxacin

Synonym: cis-5-Amino-1-cyclopropyl-7-(3,5-dimethyl-1-piperazinyl)-6,8-difluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic Acid; Parox; Spara; Sparcin; Zagam;

Structure:



Lot Number: 6-SSR-72-1

Purity: 98%

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

Storage Condition: -20°C

Molecular Formula:

C₁₉H₂₂F₂N₄O₃

Molecular weight:

392.41

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
Chloroform (Slightly), DMSO
(Slightly), Methanol (Sligh

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|--------------------|-----------------------------|-----------------------------------|
| Appearance | Pale Yellow to Yellow Solid | Pale Yellow to Light Yellow Solid |
| NMR | Conforms to Structure | Conforms |
| MS | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 57.54, %H: 5.64, %N: 14.33 |
| F NMR | Conforms to Structure | Conforms |

Additional Information: Elemental Analysis: (Theoretical) %C: 58.16, %H: 5.65, %N: 14.28

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 | 11/16/2020 | 11/14/2030 |

Hanxiang Li