

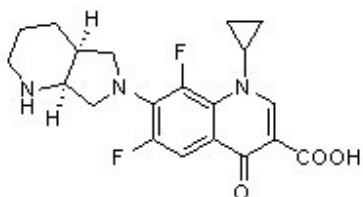
## CERTIFICATE OF ANALYSIS

Reference Substance

Date

**Moxifloxacin Impurity A (Moxifloxacin Related Compound A)**

Batch No.

IUPAC Name: 1-Cyclopropyl-6, 8-difluoro-1, 4-dihydro-7-[(4*a*S, 7*a*S)-octahydro-6*H*-pyrrolo [3, 4-*b*] pyridin-6-yl]-4-oxo-3-quinolinecarboxylic Acid.Molecular Formula: C<sub>20</sub>H<sub>21</sub>F<sub>2</sub>N<sub>3</sub>O<sub>3</sub>

Molecular weight: 389.40g/mol

| Sr.# | Test           | Results           | Data ref.             |
|------|----------------|-------------------|-----------------------|
| 1    | Appearance     | Pale yellow solid | -----                 |
| 2    | Purity by HPLC | 99.54%            | Chromatogram attached |
| 3    | NMR            | Conform           | Report attached       |
| 4    | MASS           | Conform           | Report attached       |

**Storage condition:** Store at 2-8°C, protect from direct sunlight**Shipment date:**

This certificate of analysis is valid for three years from date of manufacturing, provided the substance is stored under suitable conditions.

**Manufacturing date:****Retest date:****Document data reference:***Prepared by**Reviewed by**Approved by*