

# Certificate of Analysis

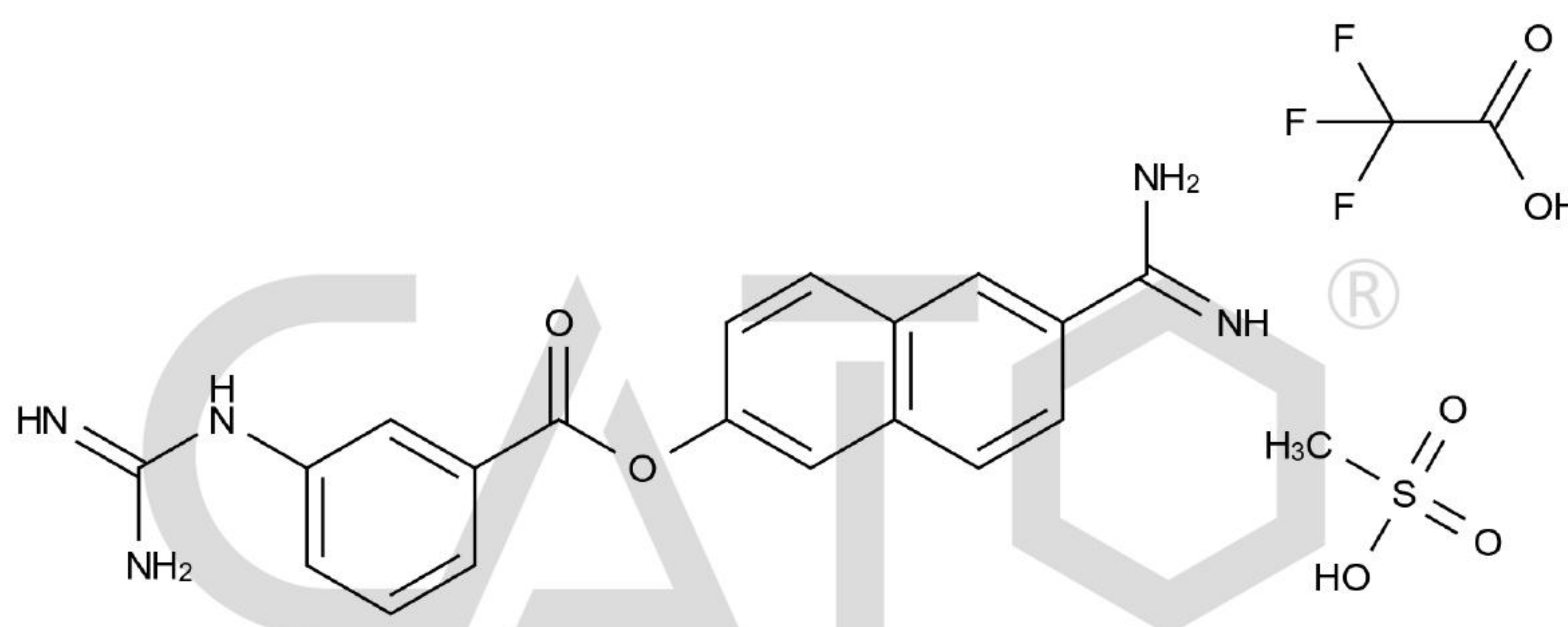
## Reference Material & Standard

|                           |                                                                                                                                              |                            |                                           |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Nafamostat Impurity 12                                                                                                                       | <b>Catalogue Number:</b>   | C4X-133212                                |
| <b>Synonyms:</b>          | N/A                                                                                                                                          | <b>Lot Number:</b>         | 0714-RE-0009                              |
| <b>CAS Number:</b>        | 82956-09-0(Free Base)                                                                                                                        | <b>Expiry Date:</b>        | Jul 11, 2026                              |
| <b>Molecular Formula:</b> | C <sub>19</sub> H <sub>17</sub> N <sub>5</sub> O <sub>2</sub> C <sub>2</sub> HF <sub>3</sub> O <sub>2</sub> CH <sub>4</sub> O <sub>3</sub> S | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 347.37 114.02 96.11                                                                                                                          | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items        | Method            | Results                                         |
|-------------------|-------------------|-------------------------------------------------|
| Appearance        | Visual inspection | White Solid                                     |
| Identification    | LCMS&HNMR         | Confirmed                                       |
| Purity            | HPLC              | 99.645%                                         |
| Water Content     | Karl Fischer      | 0.65%                                           |
| Residual Solvents | NMR               | 0.24% acetonitrile and 0.45% dimethyl sulfoxide |
| Assay             |                   | 98.3%                                           |

## Comment:

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

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

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

**Signature:**

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Approved by General Manager:

*David*

Date: Jul 19, 2023

Date: Jul 20, 2023

Date: Jul 20, 2023



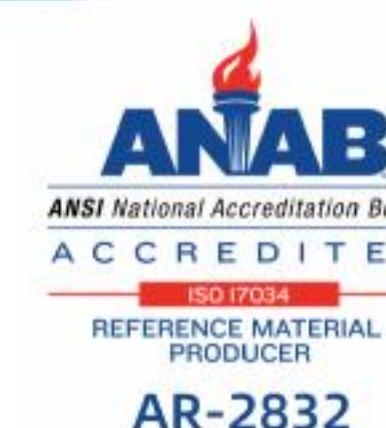
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