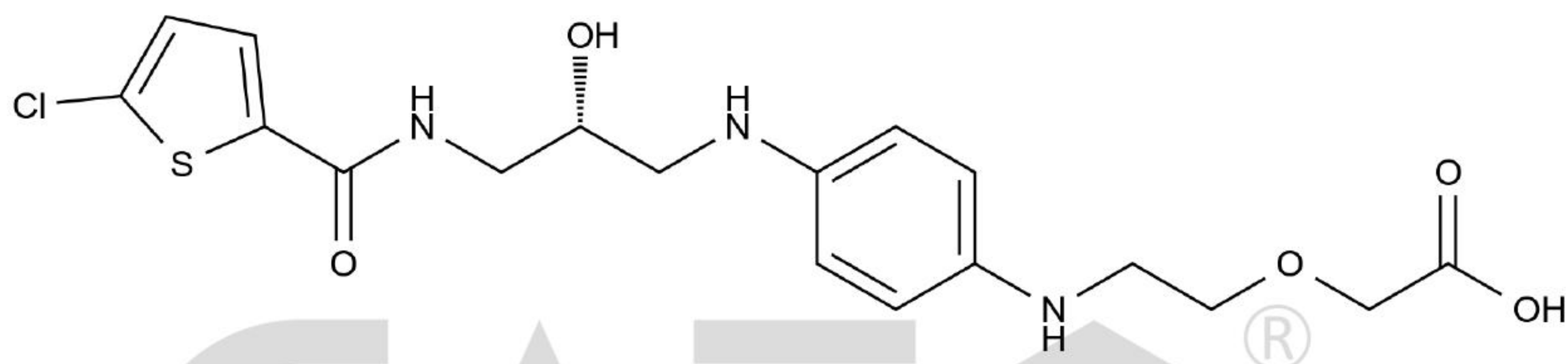


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                   |                   |                                                                                     |
|--------------------|-------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Rivaroxaban Impurity N45                                          | Catalogue Number: | CP130194                                                                            |
| Synonyms:          | N/A                                                               | Lot Number:       | 0725-RG-0043                                                                        |
| CAS Number:        | 2512215-49-3                                                      | Expiry Date:      | Jul 28, 2029                                                                        |
| Molecular Formula: | C <sub>18</sub> H <sub>22</sub> ClN <sub>3</sub> O <sub>5</sub> S | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 427.90                                                            | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results            |
|----------------|-------------------|--------------------|
| Appearance     | Visual inspection | Black Sticky Solid |
| Identification | LCMS&HNMR         | Confirmed          |
| Purity         | HPLC              | 76.030%            |
| Loss On Drying | TGA               | 3.8388%            |
| Assay          |                   | 73.1%              |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Aug 14, 2025

Date: Aug 14, 2025

Date: Aug 14, 2025

