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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Rivaroxaban Impurity 112**

### Identification:

Chemical Name: 4-(4-(bis((S)-3-amino-2-hydroxypropyl)amino)phenyl)morpholin-3-one

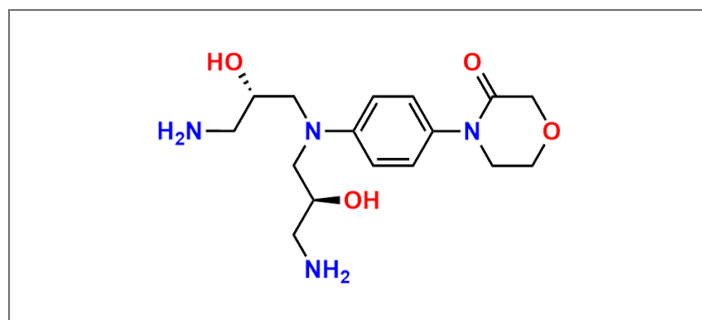
Synonyms : NA

CAS Number : NA

CAT Number : CP-R17205

Molecular Formula : C<sub>16</sub>H<sub>26</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight : 338.4



### Analytical Information:

| Sr. No. | Test              | Result                   |
|---------|-------------------|--------------------------|
| 1)      | Description       | Solid                    |
| 2)      | Solubility        | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS      | Confirm to structure     |
| 4)      | Purity By HPLC    | >95%                     |
| 5)      | <sup>1</sup> HNMR | Confirm to structure     |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.