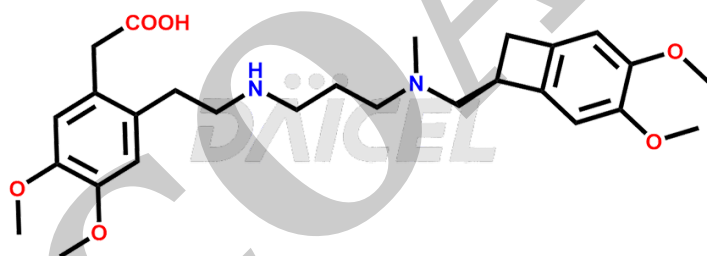




ISO 9001:2015 CERTIFIED      CERTIFICATE OF ANALYSIS

|                       |                                                                                                                                            |                                                                                      |  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
| Product Name          | Ivabradine ring open impurity                                                                                                              |                                                                                      |  |
| Molecular Formula     | C <sub>27</sub> H <sub>38</sub> N <sub>2</sub> O <sub>6</sub>                                                                              |  |  |
| Molecular Weight      | 486.61                                                                                                                                     |                                                                                      |  |
| Batch Number          | XX-XXXX                                                                                                                                    |                                                                                      |  |
| Batch Quantity        | XXX                                                                                                                                        |                                                                                      |  |
| Date of Manufacturing | DD-MM-YYYY                                                                                                                                 |                                                                                      |  |
| Date of Analysis      | DD-MM-YYYY                                                                                                                                 |                                                                                      |  |
| Next Retest Date      | DD-MM-YYYY                                                                                                                                 |                                                                                      |  |
| Catalogue Number      | DCTI-C-3252                                                                                                                                |                                                                                      |  |
| CAS Number            | 1462470-54-7                                                                                                                               |                                                                                      |  |
| COA Number            | PA-XXXX                                                                                                                                    |                                                                                      |  |
| IUPAC Name            | (S)-2-(2-(2-((3,4-dimethoxybicyclo[4.2.0]octa-1(6),2,4-trien-7-yl)methyl)(methyl)amino)propyl)amino)ethyl)-4,5-dimethoxyphenyl)acetic acid |                                                                                      |  |
| Storage and Handling  | 2-8°C                                                                                                                                      |                                                                                      |  |

| Sl. No | * Test                                        | Result |
|--------|-----------------------------------------------|--------|
|        | Description                                   |        |
| 1.     | Identification i) By IR ii) By NMR iii) By MS | --     |
| 2.     | Chromatographic Purity (% by HPLC)            | --     |

Remarks: \*Test or tests as mentioned above may vary as per the product nature or customer's requirement

| Function      | Compiled by         | Reviewed by         | Reviewed by       | Approved by       |
|---------------|---------------------|---------------------|-------------------|-------------------|
| Name          | xxx                 | xxx                 | xxx               | xxx               |
| Department    | Pharma Standards QC | Pharma Standards QC | Quality Assurance | Quality Assurance |
| Sign and Date |                     |                     |                   |                   |

|                  |                                         |
|------------------|-----------------------------------------|
| Attachments      | IR, NMR, MS spectra, HPLC Chromatogram. |
| Date of Shipment | DD-MMM-YYYY                             |