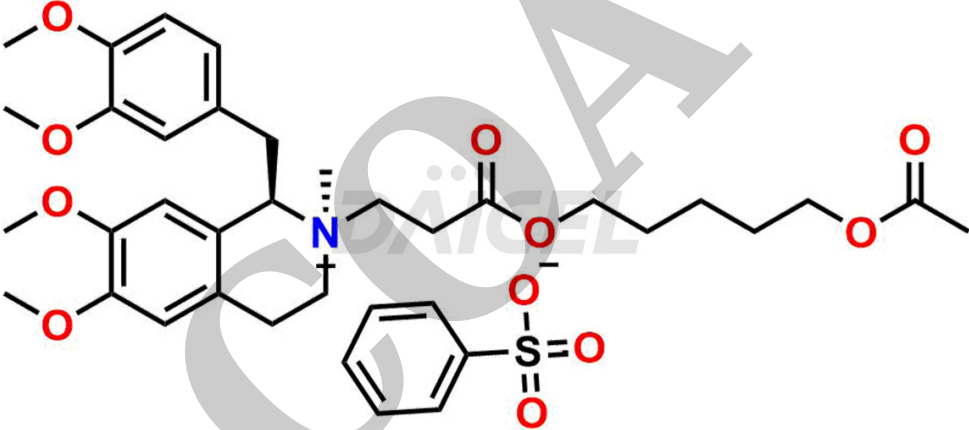




ISO 9001:2015 CERTIFIED      CERTIFICATE OF ANALYSIS

|                       |                                                                                                                                                            |                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Product Name          | Cisatracurium EP impurity-W                                                                                                                                |                                                                                      |
| Molecular Formula     | C <sub>37</sub> H <sub>49</sub> NO <sub>11</sub> S (Salt) C <sub>31</sub> H <sub>44</sub> NO <sub>8</sub> (Free base)                                      |  |
| Molecular Weight      | 715.85 (Salt) 558.69 (Free base)                                                                                                                           |                                                                                      |
| 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-001274                                                                                                                                              |                                                                                      |
| CAS Number            | 2411761-85-6 (Free acid)                                                                                                                                   |                                                                                      |
| COA Number            | PA-XXXX                                                                                                                                                    |                                                                                      |
| IUPAC Name            | (1R, 2R)-2-(3-((5-acetoxypentyl)oxy)-3-oxopropyl)-1-(3, 4-dimethoxybenzyl)-6, 7-dimethoxy-2-methyl-1, 2, 3, 4-tetrahydroisoquinolin-2-ium benzenesulfonate |                                                                                      |
| Storage and Handling  | XX                                                                                                                                                         |                                                                                      |

| 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                             |

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