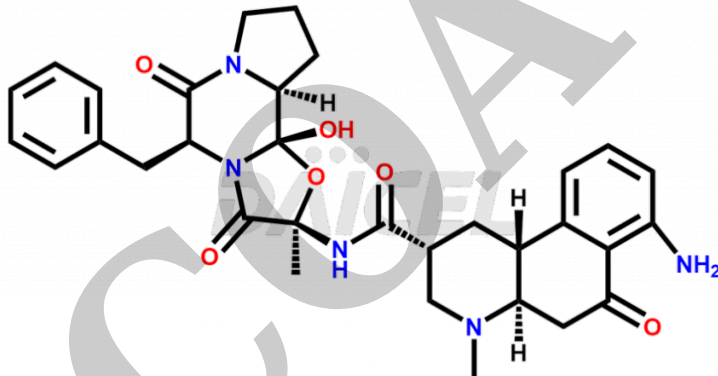




ISO 9001:2015 CERTIFIED      CERTIFICATE OF ANALYSIS

|                       |                                                                                                                                                                                                                     |                                                                                      |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Product Name          | Dihydroergotamine Impurity S2                                                                                                                                                                                       |                                                                                      |
| Molecular Formula     | C <sub>32</sub> H <sub>37</sub> N <sub>5</sub> O <sub>6</sub>                                                                                                                                                       |  |
| Molecular Weight      | 587.68                                                                                                                                                                                                              |                                                                                      |
| 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-2630                                                                                                                                                                                                         |                                                                                      |
| CAS Number            | 81149-12-4                                                                                                                                                                                                          |                                                                                      |
| COA Number            | PA-XXXX                                                                                                                                                                                                             |                                                                                      |
| IUPAC Name            | (2R,4aR,10bR)-7-amino-N-((2R,5S,10aS,10bS)-5-benzyl-10b-hydroxy-2-methyl-3,6-dioxooctahydro-8H-oxazolo[3,2-a]pyrrolo[2,1-c]pyrazin-2-yl)-4-methyl-6-oxo-1,2,3,4,4a,5,6,10b-octahydrobenzo[f]quinoline-2-carboxamide |                                                                                      |
| Storage and Handling  | Store at 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                             |

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