

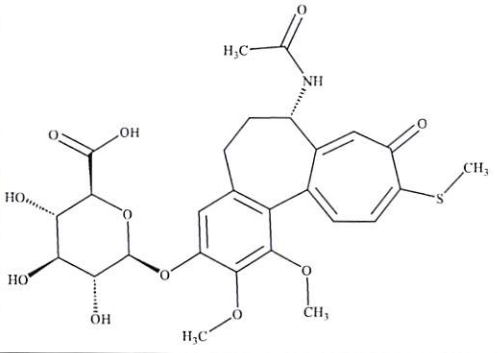
Certificate of Analysis

Certificate No.: **20250530005**



Date: May 30, 2025

Retest date: May 23, 2028

| | |
|---|---|
| Compound Name: 3-Demethyl Thiocolchicine 3- <i>O</i> -beta-D-Glucuronide | |
| Synonyms: | (2S,3S,4S,5R,6S)-6-(((S)-7-acetamido-1,2-dimethoxy-10-(methylthio)-9-oxo-5,6,7,9-tetrahydrobenzo[<i>a</i>]heptalen-3-yl)oxy)-3,4,5-trihydroxytetrahydro-2 <i>H</i> -pyran-2-carboxylic acid |
| TLC Catalogue Number: | T-5910 |
| CAS Number: | 819802-34-1 |
| Alternate CAS Number: | N/A |
| Molecular Weight: | 577.60 |
| Molecular Formula: | C ₂₇ H ₃₁ NO ₁₁ S |
| Source: | TLC Pharmaceutical Standards |
| Source Lot No.: | 6814-048A2 |
| Storage Conditions: | Hygroscopic, store at 2-8 °C |
| Solubility: | Methanol, DMSO, Water, DMF |



| Test Description | Specifications | Results |
|--------------------------------|--|-----------------|
| Visual Description | Yellow solid | Conforms |
| Identification | | |
| IR | Conforms to structure | Conforms |
| MS | Conforms to structure | Conforms |
| ¹ H NMR | Conforms to structure | Conforms |
| Purity (HPLC) | Not less than 95.0% | 99.3% |
| Impurity (HPLC) | RT 8.20, 0.33%; RT 10.71, 0.10%; RT 14.56, 0.17% | |
| Residual Solvents (NMR) | No residual solvent | |
| Assay (qNMR) | Not less than 90.0% | 93.1% |
| Recommendation: | Release. | |

| Name | Department | Signature | Date |
|---------------------------|-------------------|--|------------|
| Reviewed and approved by: | Quality Control |  | 05/30/2025 |
| Approved by: | Quality Assurance |  | 05/30/2025 |

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.