



## CERTIFICATE OF ANALYSIS

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### 1. Identification

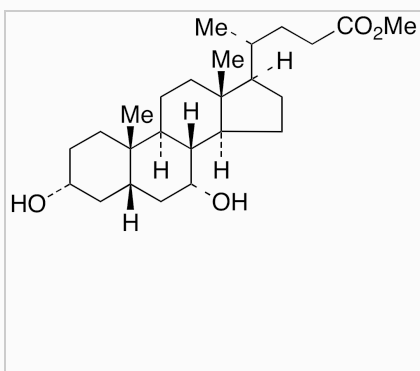
**Catalogue Number:** C291905

**CAS Number:** 3057-04-3

**Product:** Chenodeoxycholic Acid Methyl Ester

**Synonym:** (3 $\alpha$ ,5 $\beta$ ,7 $\alpha$ )-3,7-Dihydroxy-cholan-24-oic Acid Methyl Ester; Chenodeoxycholic Acid Methyl Ester; Methyl 3 $\alpha$ ,7 $\alpha$ -Dihydroxy-5 $\beta$ -cholan-24-oate; Methyl 3 $\alpha$ ,7 $\alpha$ -Dihydroxy-5 $\beta$ -cholanoate; Methyl Chenodeoxycholate

**Structure:**



**Molecular Formula:**

C<sub>25</sub>H<sub>42</sub>O<sub>4</sub>

**Molecular weight:**

406.6

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly), DMSO (Slightly), Methanol

**Lot Number:** 4-WHH-170-1

**Purity:** 95%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:            | Specifications:            | Results:                     |
|-------------------|----------------------------|------------------------------|
| Appearance        | White to Pale Yellow Solid | White Solid                  |
| NMR               | Conforms to Structure      | Conforms                     |
| MS                | Conforms to Structure      | Conforms                     |
| Specific Rotation | Report Result              | +13.1° (c = 0.3, Chloroform) |

**Additional Information:** NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

| Reviewed By    | Reviewed By | C of A Approved By | Test Date | Retest Date |
|----------------|-------------|--------------------|-----------|-------------|
| Xhoana Gjergji | Philip Chan | My Nguyen          | 4/22/2019 | 4/20/2026   |