



## CERTIFICATE OF ANALYSIS

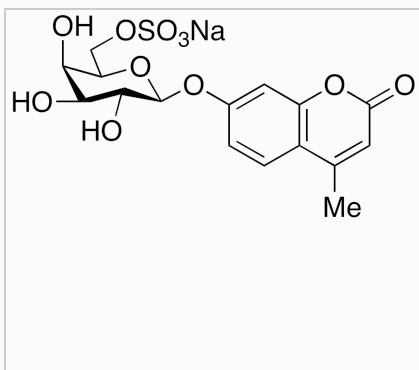
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### 1. Identification

**Catalogue Number:** M334481

**Product:** 4-Methylumbelliferyl b-D-Galactopyranoside-6-sulfate Sodium Salt

**Structure:**



**CAS Number:** 206443-06-3

**Synonym:** 4-Methyl-7-[(6-O-sulfo-β-D-galactopyranosyl)oxy]-2H-1-benzopyran-2-one Monosodium Salt;

**Molecular Formula:**

C<sub>16</sub>H<sub>17</sub>NaO<sub>11</sub>S

**Molecular weight:**

440.35

**Source of Product:**

Synthetic

**Solubility:**

Methanol (Slightly, Sonicated),  
Water (Slightly)

**Lot Number:** 5-SUM-61-1

**Purity:** 98%

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

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:             | Specifications:          | Results:                 |
|--------------------|--------------------------|--------------------------|
| Appearance         | White to Off-White Solid | White to Off-White Solid |
| NMR                | Conforms to Structure    | Conforms                 |
| Elemental Analysis | Conforms                 | %C: 39.06, %H: 4.55      |
| HPLC Purity        | Report Result            | 99.92% (320 nm)          |
| MS                 | Conforms to Structure    | Conforms                 |

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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 |
|--------------|---------------|--------------------|-----------|-------------|
| Swathi Reddy | Toni Rantanen | Chanell Chu        | 6/2/2023  | 5/31/2027   |