

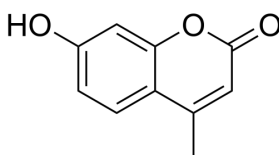
## 4-Methylumbelliferone

|                |  |
|----------------|--|
| Cat. No.:      | HY-N0187                                   |
| CAS No.:       | 90-33-5                                    |
| Batch No.:     | 272837                                     |
| Chemical Name: | 2H-1-Benzopyran-2-one, 7-hydroxy-4-methyl- |

## PHYSICAL AND CHEMICAL PROPERTIES

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>8</sub> O <sub>3</sub> |       |          |
| <b>Molecular Weight:</b>  | 176.17  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent                                    | -80°C | 1 years  |
|                           |   | -20°C | 6 months |

**Chemical Structure:**



## ANALYTICAL DATA

|                              |   |
|------------------------------|---|
| Appearance:                  | White to off-white (Solid)  |
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| Purity (HPLC):               | 99.79%  |
| Water(KF):                   | 0.20%   |
| Residue on Ignition:         | 0.10%   |
| Conclusion:                  | The product has been tested and complies with the given specifications. |

Caution: Product has not been fully validated for medical applications. For research use only.

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