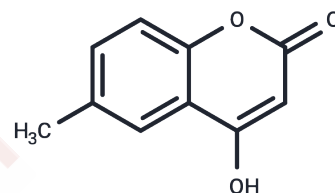


## 4-Hydroxy-6-methylcoumarin

## Chemical Properties

CAS No. :	13252-83-0
Formula:	C <sub>10</sub> H <sub>8</sub> O <sub>3</sub>
Molecular Weight:	176.17
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	4-Hydroxy-6-methylcoumarin (4-HMC) is a naturally occurring phenolic compound, a derivative of coumarin, found in a variety of plants, fungi, and bacteria. It has anti-inflammatory and anti-tumor activity. 4-HMC is used as a flavoring agent, preservative and antioxidant in the food industry.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 25 mg/mL (141.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6763 mL	28.3817 mL	56.7634 mL
5 mM	1.1353 mL	5.6763 mL	11.3527 mL
10 mM	0.5676 mL	2.8382 mL	5.6763 mL
50 mM	0.1135 mL	0.5676 mL	1.1353 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Menezes, José C. J. M. D. S, Faustino M A F , De Oliveira K T , et al. Synthesis of New Chlorine6 Trimethyl and ProtoporphyrinIX Dimethyl Ester Derivatives and Their Photophysical and Electrochemical Characterizations[J]. Chemistry, 2015, 20(42):13644-13655.

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