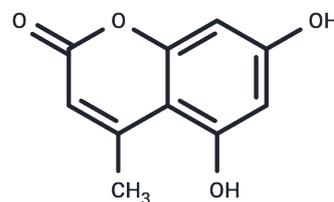


## 5,7-Dihydroxy-4-methylcoumarin

## Chemical Properties

CAS No. :	2107-76-8
Formula:	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>
Molecular Weight:	192.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	5,7-Dihydroxy-4-methylcoumarin (Methyl-2H-Chromen-2-One) inhibits human neutrophil oxidative metabolism and elastase activity. 5,7-Dihydroxy-4-methylcoumarin has in vitro platelet antiaggregatory property. 5,7-Dihydroxy-4-methylcoumarin shows inhibition of the cyclooxygenase pathway.
Targets(IC50)	Others,Antibacterial,Antifungal

## Solubility Information

Solubility	DMSO: 35 mg/mL(182.1 mM), Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2037 mL	26.0186 mL	52.0373 mL
5 mM	1.0407 mL	5.2037 mL	10.4075 mL
10 mM	0.5204 mL	2.6019 mL	5.2037 mL
50 mM	0.1041 mL	0.5204 mL	1.0407 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.

## Reference

Kabeya L M , Fuzissaki C N , Andrade, Micássio F, et al. 4-Methylcoumarin Derivatives Inhibit Human Neutrophil Oxidative Metabolism and Elastase Activity[J]. Journal of Medicinal Food, 2013, 16(8):692-700.

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