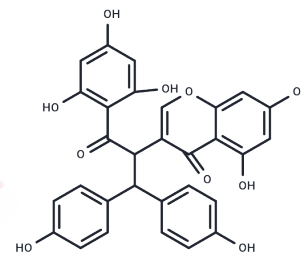


## Chamaechromone

## Chemical Properties

CAS No. :	93413-00-4
Formula:	C <sub>30</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	542.49
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	Chamaechromone is a natural product isolated from the roots of <i>Stellera chamaejasme</i> L.. Chamaechromone has anti-HBV and insecticidal activity.
Targets(IC50)	Cytochromes P450,HBV
In vitro	The hydroxylation of Chamaechromone is inhibited by $\alpha\pm$ -naphthoflavone, and predominantly catalyzed by recombinant human cytochrome P4501A2[1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (184.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (7.37 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.8434 mL	9.2168 mL	18.4335 mL
5 mM	0.3687 mL	1.8434 mL	3.6867 mL
10 mM	0.1843 mL	0.9217 mL	1.8434 mL
50 mM	0.0369 mL	0.1843 mL	0.3687 mL

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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

Lou Y, et al. Metabolites characterization of chamaechromone in vivo and in vitro by using ultra-performance liquid chromatography/Xevo G2 quadrupole time-of-flight tandem mass spectrometry. J Ethnopharmacol. 2014; 151(1):242-52.

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