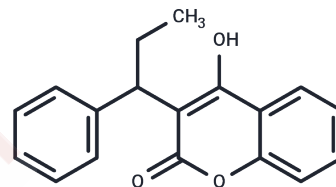


## Phenprocoumon

## Chemical Properties

CAS No. :	435-97-2
Formula:	C <sub>18</sub> H <sub>16</sub> O <sub>3</sub>
Molecular Weight:	280.32
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	Phenprocoumon is an antagonist of vitamin K(IC50:1 μM).
Targets(IC50)	Others,Vitamin

## Solubility Information

Solubility	DMSO: 125 mg/mL (445.92 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 (14.27 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

	1mg	5mg	10mg
1 mM	3.5674 mL	17.8368 mL	35.6735 mL
5 mM	0.7135 mL	3.5674 mL	7.1347 mL
10 mM	0.3567 mL	1.7837 mL	3.5674 mL
50 mM	0.0713 mL	0.3567 mL	0.7135 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

Martin, Müller, Fabian, et al. Characteristics, treatment and outcome of bleeding after tooth extraction in patients on DOAC and phenprocoumon compared to non-anticoagulated patients-a retrospective study of emergency department consultations.[J]. Clinical oral investigations, 2018.

Trenk D , Beermann D , Oesch F , et al. Age-dependent differences in the effect of phenprocoumon on the vitamin K1-epoxide cycle in rats[J]. Journal of Pharmacy and Pharmacology, 1981, 32(12):828-832.

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