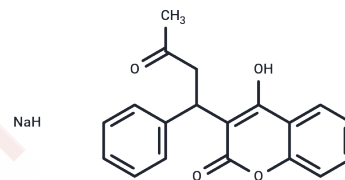


Warfarin sodium

Chemical Properties

CAS No. :	129-06-6
Formula:	C ₁₉ H ₁₅ NaO ₄
Molecular Weight:	330.31
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	An anticoagulant that acts by inhibiting the synthesis of vitamin K-dependent coagulation factors. Warfarin is indicated for the prophylaxis and/or treatment of venous thrombosis and its extension, pulmonary embolism, and atrial fibrillation with embolization. It is also used as an adjunct in the prophylaxis of systemic embolism after myocardial infarction. Warfarin is also used as a rodenticide.
Targets(IC50)	Others,Vitamin

Solubility Information

Solubility	DMSO: 49 mg/mL (148.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (30.27 mM),Solution. 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 4 mg/mL (12.11 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	3.0275 mL	15.1373 mL	30.2746 mL
5 mM	0.6055 mL	3.0275 mL	6.0549 mL
10 mM	0.3027 mL	1.5137 mL	3.0275 mL
50 mM	0.0605 mL	0.3027 mL	0.6055 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

Gebauer M. Bioorg Med Chem. 2007 Mar 15;15(6):2414-20.

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