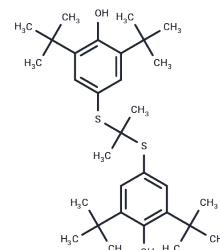


## Probucol

## Chemical Properties

CAS No. :	23288-49-5
Formula:	C <sub>31</sub> H <sub>48</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	516.84
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	Probucol (DH-581), an anti-hyperlipidemic drug, can lower the level of cholesterol in the bloodstream by increasing the LDL catabolic rate.
Targets(IC50)	Apoptosis,Caspase,Glutathione Peroxidase,ABC Transporter,ROS,Virus Protease

## Solubility Information

Solubility	DMSO: 250 mg/mL (483.71 mM),Sonication is recommended. Ethanol: 95 mg/mL (183.81 mM),Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.87 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	1.9348 mL	9.6742 mL	19.3483 mL
5 mM	0.387 mL	1.9348 mL	3.8697 mL
10 mM	0.1935 mL	0.9674 mL	1.9348 mL
50 mM	0.0387 mL	0.1935 mL	0.387 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

Jeon SM, et al. J Biochem Mol Toxicol. 2005, 19(5):336-46.

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