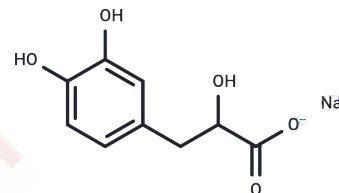


(±)-Danshensu sodium salt**Chemical Properties**

CAS No. :	67920-52-9
Formula:	C ₉ H ₉ NaO ₅
Molecular Weight:	220.16
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	(±)-Danshensu sodium salt (Sodium Danshensu) is sodium salt of (±)-danshensu from the widely used Chinese herb Danshen. It can inhibited phenylephrine- and CaCl ₂ -induced vasoconstriction in Ca ²⁺ -free medium.
Targets(IC50)	Apoptosis,NF-κB,Mitochondrial Metabolism,Nrf2,Autophagy,Cytochromes P450

Solubility Information

Solubility	H ₂ O: 2 mg/mL (9.08 mM),Sonication is recommended. DMSO: 252.5 mg/mL (1146.89 mM),Sonication is recommended. Ethanol: < 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: 2.5 mg/mL (11.36 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	4.5422 mL	22.7108 mL	45.4215 mL
5 mM	0.9084 mL	4.5422 mL	9.0843 mL
10 mM	0.4542 mL	2.2711 mL	4.5422 mL
50 mM	0.0908 mL	0.4542 mL	0.9084 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

Zhao GR, et al. Food Chem Toxicol, 2008, 46(1), 73-81.

Zhang N, et al. Acta Pharmacol Sin, 2010, 31(4), 421-428.

Ren R, et al. Toxicol Mech Methods, 2010, 20(8), 510-514.

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