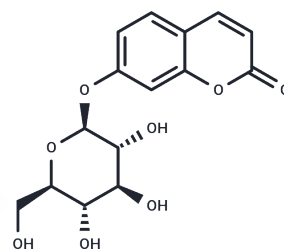


Skimmin

Chemical Properties

CAS No. :	93-39-0
Formula:	C ₁₅ H ₁₆ O ₈
Molecular Weight:	324.28
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	Skimmin (Skimmine) has anti-inflammatory activity, can significantly improve renal function and suppress the IgG deposition as well as the development of glomerular lesions in a rat model of membranous glomerulonephritis.
Targets(IC50)	Others,Parasite,Interleukin,TGF-beta/Smad,TNF

Solubility Information

Solubility	DMSO: 50 mg/mL (154.19 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: 2 mg/mL (6.17 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	3.0838 mL	15.4188 mL	30.8375 mL
5 mM	0.6168 mL	3.0838 mL	6.1675 mL
10 mM	0.3084 mL	1.5419 mL	3.0838 mL
50 mM	0.0617 mL	0.3084 mL	0.6168 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

Zhang S, et al. Skimmin, a coumarin, suppresses the streptozotocin-induced diabetic nephropathy in wistar rats. Eur J Pharmacol. 2012 Oct 5;692(1-3):78-83.

Zhang S, et al. Evid Based Complement Alternat Med. 2013;2013:819296.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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