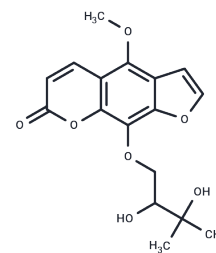


(Rac)-Byakangelicin

Chemical Properties

CAS No. :	19573-01-4
Formula:	C17H18O7
Molecular Weight:	334.32
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	(Rac)-Byakangelicin (7H-Furo[3,2-g][1]benzopyran-7-one, 9-(2,3-dihydroxy-3-methylbutoxy)-4-methoxy-) is an antineoplastic agent.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (74.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.98 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	2.9911 mL	14.9557 mL	29.9115 mL
5 mM	0.5982 mL	2.9911 mL	5.9823 mL
10 mM	0.2991 mL	1.4956 mL	2.9911 mL
50 mM	0.0598 mL	0.2991 mL	0.5982 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

Yang J, et al. Byakangelicin induces cytochrome P450 3A4 expression via transactivation of pregnane X receptors in human hepatocytes. Br J Pharmacol. 2011 Jan;162(2):441-51.

Shin KH, et al. Effect of byakangelicin, an aldose reductase inhibitor, on galactosemic cataracts, the polyol contents and Na(+), K(+)ATPase activity in sciatic nerves of strepto-zotocin-induced diabetic rats. Phytomedicine. 1998 Apr;5(2):121-7.

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