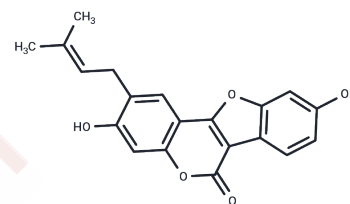


Psoralidin

Chemical Properties

CAS No. :	18642-23-4
Formula:	C ₂₀ H ₁₆ O ₅
Molecular Weight:	336.34
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	Psoralidin inhibits Akt phosphorylation and phosphatidylinositol 3-kinase activation and transcriptionally. Psoralidin possesses anticancer and chemopreventive properties.
Targets(IC50)	Estrogen/progestogen Receptor, Reactive Oxygen Species, Gamma-secretase, Akt, Antibacterial, COX, Lipoxygenase, ROS

Solubility Information

Solubility	DMSO: 55.56 mg/mL (165.19 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (7.43 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	2.9732 mL	14.8659 mL	29.7318 mL
5 mM	0.5946 mL	2.9732 mL	5.9464 mL
10 mM	0.2973 mL	1.4866 mL	2.9732 mL
50 mM	0.0595 mL	0.2973 mL	0.5946 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

Sun H, et al. J Pharm Sci. 2015 Jul;104(7):2369-77.

Liu X, et al. Bioorg Med Chem Lett. 2014 Mar 1;24(5):1403-6.

Yang HJ, et al. Biochem Pharmacol. 2011 Sep 1;82(5):524-34.

Hao W, et al. PeerJ. 2014 Sep 9;2:e555.

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