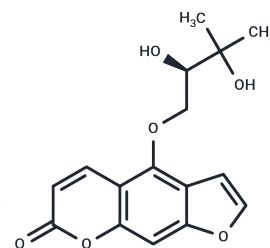


Oxypeucedanin hydrate

Chemical Properties

CAS No. :	2643-85-8
Formula:	C ₁₆ H ₁₆ O ₆
Molecular Weight:	304.29
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. Oxypeucedanin hydrate (Prangolarin Hydrate) has antioxidant activity. 2. Oxypeucedanin hydrate is an antimutagenic agent. 3. Oxypeucedanin hydrate exhibits carbohydrate metabolizing enzymes inhibitory effect.
Targets(IC50)	Antioxidant

Solubility Information

Solubility	DMSO: 25 mg/mL (82.16 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+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.57 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	3.2863 mL	16.4317 mL	32.8634 mL
5 mM	0.6573 mL	3.2863 mL	6.5727 mL
10 mM	0.3286 mL	1.6432 mL	3.2863 mL
50 mM	0.0657 mL	0.3286 mL	0.6573 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

Ishihara K , Fukutake M , Asano T , et al. Simultaneous determination of byak-angelicin and oxypeucedanin hydrate in rat plasma by column-switching high-performance liquid chromatography with ultraviolet detection.[J]. Journal of Chromatography B Biomedical Sciences & Applications, 2001, 753(2):309-314.

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