

Ginsenoside C-K

Chemical Properties

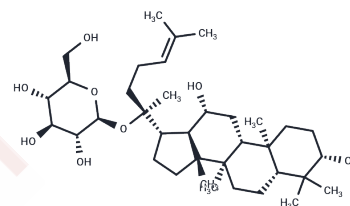
CAS No. : 39262-14-1

Formula: C₃₆H₆₂O₈

Molecular Weight: 622.87

Storage: Keep away from moisture, Store at low temperature
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	Ginsenoside C-K (Ginsenoside K) is a bacterial metabolite of G-Rb1 exhibiting anti-inflammatory effects by reducing iNOS and COX-2.
Targets(IC50)	Cell Cycle Arrest, NO Synthase, COX, Cytochromes P450

Solubility Information

Solubility	DMSO: 250 mg/mL (401.37 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 (3.21 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	1.6055 mL	8.0274 mL	16.0547 mL
5 mM	0.3211 mL	1.6055 mL	3.2109 mL
10 mM	0.1605 mL	0.8027 mL	1.6055 mL
50 mM	0.0321 mL	0.1605 mL	0.3211 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 XD, et al. A review of biotransformation and pharmacology of ginsenoside compound K. *Fitoterapia*. 2015 Jan;100:208-20.

Chen Z, Ni R, Hu Y, et al. A natural protopanaxatriol from *Panax notoginseng* enhances osteosarcoma sensitivity to ferroptosis via ASCL4 upregulation. *Journal of Functional Foods*. 2024, 122: 106488.

Mathiyalagan R, et al. Ginsenoside compound K-bearing glycol chitosan conjugates: synthesis, physicochemical characterization, and in vitro biological studies.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481