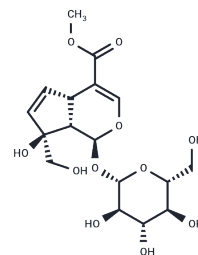


Gardenoside

Chemical Properties

CAS No. :	24512-62-7
Formula:	C ₁₇ H ₂₄ O ₁₁
Molecular Weight:	404.37
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Gardenoside has hepatoprotective, pain-relieving, and anti-mastitis effects. It may be a potential therapeutic herb against NASH by suppressed supernatant inflammatory cytokine production and intracellular NFκB activity. Gardenoside may be considered potential drug candidates that target P2X3 and P2X7 purine receptors.
Targets(IC50)	Others, P2X Receptor, ROS

Solubility Information

Solubility	DMSO: 50 mg/mL (123.65 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 (4.95 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	2.473 mL	12.3649 mL	24.7298 mL
5 mM	0.4946 mL	2.473 mL	4.946 mL
10 mM	0.2473 mL	1.2365 mL	2.473 mL
50 mM	0.0495 mL	0.2473 mL	0.4946 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

Jun-Wei Z , Shao-Liang J I , Peng-Tao L I . Effect of Concha Margatitifera Usta, Cholic Acid, Gardenoside, Baicalin on MCP-1 in the Ischemic Cerebral Tissue of Rats after Middle Cerebral Artery Occlusion[J]. Chinese Journal of Information on Tcm, 2004.

Chen Z, Guo Q, Huang S, et al.Overcoming adaptive resistance in AML by synergistically targeting FOXO3A-GNG7-mTOR axis with FOXO3A inhibitor Gardenoside and rapamycin.Genes & Diseases.2023

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