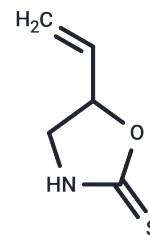


DL-Goitrin

Chemical Properties

CAS No. :	13190-34-6
Formula:	C ₅ H ₇ NOS
Molecular Weight:	129.18
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	DL-Goitrin is a potent antithyroid compound found naturally in crucifers. DL-Goitrin is responsible for the induction of glutathione S-transferases. DL-Goitrin is a moderate inhibitor of purified bovine adrenal dopamine beta-hydroxylase, leads to a depression of brain norepinephrine and to an elevation of heart and adrenal dopamine.
Targets(IC50)	Others, Influenza Virus

Solubility Information

Solubility	DMSO: 50 mg/mL (387.06 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 (15.48 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	7.7411 mL	38.7057 mL	77.4114 mL
5 mM	1.5482 mL	7.7411 mL	15.4823 mL
10 mM	0.7741 mL	3.8706 mL	7.7411 mL
50 mM	0.1548 mL	0.7741 mL	1.5482 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

Wooding S , Gunn H , Ramos P , et al. Genetics and Bitter Taste Responses to Goitrin, a Plant Toxin Found in Vegetables[J]. Chemical Senses, 2010, 35(8):685-692.

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