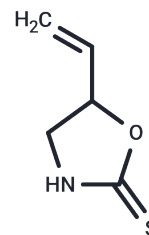


DL-Goitrin

Chemical Properties

CAS No. :	13190-34-6
Formula:	C ₅ H ₇ NOS
Molecular Weight:	129.18
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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(IC ₅₀)	Others

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)
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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.

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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