

Progoitrin

Chemical Properties

CAS No. : 585-95-5

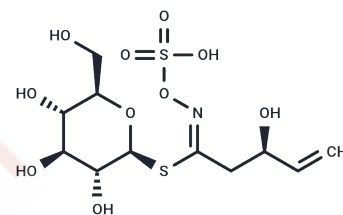
Formula: C₁₁H₁₉NO₁₀S₂

Molecular Weight: 389.4

Store under nitrogen

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	Progoitrin is a thioglucoside that is predominantly associated with infected crops. It has an inhibitory effect on thyroid activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: < 3.89 mg/mL (10 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5681 mL	12.8403 mL	25.6805 mL
5 mM	0.5136 mL	2.5681 mL	5.1361 mL
10 mM	0.2568 mL	1.284 mL	2.5681 mL
50 mM	0.0514 mL	0.2568 mL	0.5136 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

Collett MG, et al. Hepatotoxicity of Two Progoitrin-Derived Nitriles in New Zealand White Rabbits. Toxins (Basel). 2020 Nov 2;12(11):695.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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