

Sitoindoside I

Chemical Properties

CAS No. : 18749-71-8

Formula: C₅₁H₉₀O₇

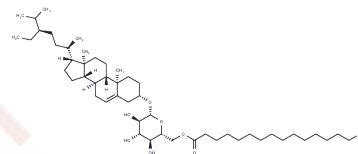
Molecular Weight: 815.26

Storage:

Keep away from direct sunlight, 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	Sitoindoside I (Longiside B) is a compound from <i>Heynea trijuga</i> Roxburgh leaves, useful for studying chronic asthma and atopic dermatitis.
Targets(IC ₅₀)	Others
In vitro	Sitoindoside I (5 µg/mL and 10 µg/mL) significantly inhibited NO production in RAW264.7 cells due to LPS stimulation. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2266 mL	6.133 mL	12.266 mL
5 mM	0.2453 mL	1.2266 mL	2.4532 mL
10 mM	0.1227 mL	0.6133 mL	1.2266 mL
50 mM	0.0245 mL	0.1227 mL	0.2453 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

Shaiq Ali M, et al. A chlorinated monoterpene ketone, acylated beta-sitosterol glycosides and a flavanone glycoside from *Mentha longifolia* (Lamiaceae). *Phytochemistry*. 2002 Apr;59(8):889-95.

Kuo YH, et al. Identification and Structural Elucidation of Anti-Inflammatory Compounds from Chinese Olive (*Canarium Album* L.) Fruit Extracts. *Foods*. 2019 Sep 26;8(10):441.

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