

6-Methoxytricin

Chemical Properties

CAS No. : 76015-42-4

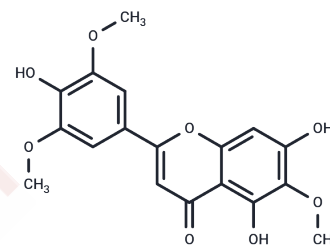
Formula: C₁₈H₁₆O₈

Molecular Weight: 360.31

Keep away from direct sunlight

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	6-Methoxytricin, a flavonoid isolated from <i>Centella asiatica</i> , is an inhibitor of aldose reductase (AR) and advanced glycosylation end-products (AGE), and inhibits T-cell proliferation and activation in biologic cells.
Targets(IC50)	Reductase
In vitro	6-Methoxytricin has a significant inhibitory effect on T cell proliferation induced by concanavalin A (Con A), with an IC ₅₀ value of 1.4 μM [2].

Solubility Information

Solubility	DMSO: 50 mg/mL (138.77 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	2.7754 mL	13.8769 mL	27.7539 mL
5 mM	0.5551 mL	2.7754 mL	5.5508 mL
10 mM	0.2775 mL	1.3877 mL	2.7754 mL
50 mM	0.0555 mL	0.2775 mL	0.5551 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

Lee YK, et al. Inhibitory Effect of Chemical Constituents Isolated from *Artemisia iwayomogi* on Polyol Pathway and Simultaneous Quantification of Major Bioactive Compounds. *Biomed Res Int.* 2017;2017:7375615.

Yin Y, et al. Anti-inflammatory and immunosuppressive effect of flavones isolated from *Artemisia vestita*. *J Ethnopharmacol.* 2008 Oct 30;120(1):1-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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