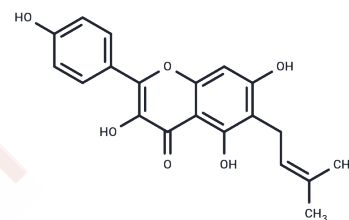


Licoflavonol

Chemical Properties

CAS No. :	60197-60-6
Formula:	C ₂₀ H ₁₈ O ₆
Molecular Weight:	354.35
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Licoflavonol is a flavonoid compound that can be extracted from licorice. It is an inhibitor of Salmonella Typhimurium serotype 3 secretion system and suppresses the secretion of Abeta by inhibiting β -site APP cleaving enzyme 1 (BACE1) transcription.
Targets(IC50)	Antibacterial
In vitro	Licoflavonol (5, 10 and 15 μ M) promotes BACE1 degradation by increasing BACE1 phosphorylation, thereby reducing A β secretion. [1] Licoflavonol is a new natural inhibitor of Salmonella T3SS and expresses strong inhibitory effect on SPI-1 effector protein secretion by regulating SicA/InvF gene transcription and effector protein SipC transport. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8221 mL	14.1103 mL	28.2207 mL
5 mM	0.5644 mL	2.8221 mL	5.6441 mL
10 mM	0.2822 mL	1.411 mL	2.8221 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

- Gu MY, et al. Licoflavonol Reduces A β Secretion by Increasing BACE1 Phosphorylation to Facilitate BACE1 Degradation. Mol Nutr Food Res. 2019 Feb;63(3):e1800474.
- Guo Z, et al. Licoflavonol is an inhibitor of the type three secretion system of Salmonella enterica serovar Typhimurium. Biochem Biophys Res Commun. 2016 Sep 2;477(4):998-1004.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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