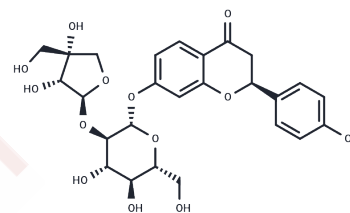


Liquiritigenin-7-apiosylglucoside

Chemical Properties

CAS No. :	135432-48-3
Formula:	C ₂₆ H ₃₀ O ₁₃
Molecular Weight:	550.51
Storage:	Keep away from direct sunlight 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	Liquiritigenin-7-apiosylglucoside is a flavonoid glycoside derived from plants such as licorice, and is a derivative formed by the attachment of a disaccharide (apiosylglucoside) to the 7-position of liquiritigenin. Liquiritigenin-7-apiosylglucoside exhibits inhibitory activity against human alphaherpesvirus 1 (HSV-1) and demonstrates biological activities such as antioxidant and anti-inflammatory effects. Liquiritigenin-7-apiosylglucoside is commonly used in research on natural product chemistry and pharmacological mechanisms.
Targets(IC50)	Antioxidant, HSV, Immunology/Inflammation related

Solubility Information

Solubility	DMSO: 100 mg/mL (181.65 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	1.8165 mL	9.0825 mL	18.165 mL
5 mM	0.3633 mL	1.8165 mL	3.633 mL
10 mM	0.1816 mL	0.9082 mL	1.8165 mL
50 mM	0.0363 mL	0.1816 mL	0.3633 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

Ohno H, et al. Evaluation of cytotoxicity and tumor-specificity of licorice flavonoids based on chemical structure. Anticancer Res. 2013 Aug;33(8):3061-8.

Fukuchi K, et al. Antiviral and Antitumor Activity of Licorice Root Extracts. In Vivo. 2016 11-12;30(6):777-785.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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