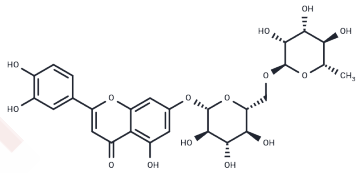
Data Sheet (Cat.No.T11895)

TargetMol

Luteolin-7-rutinoside

Chemical Properties



CAS No. : 20633-84-5

Formula: C27H30O15

Molecular Weight: 594.52

Storage: Keep away from direct sunlight,Keep away from moisture
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	Luteolin-7-rutinoside is a natural product that alleviates LPS-induced acute liver injury by inhibiting the PI3K/AKT/AMPK/NF-κB signaling pathways and suppressing TNF-α, IL-6, and IL-1β.
Targets(IC50)	NF-κB,Akt,AMPK,IL Receptor,PI3K,TNF
In vitro	Luteolin-7-rutinoside (10 μg/mL) inhibited T cell proliferation, reducing proliferative capacity by approximately 47%. The inhibitory effect of Luteolin-7-rutinoside (40 μg/mL) on T cell proliferation was essentially equivalent to that of the 20 μg/mL concentration group, with the compound's inhibitory activity exhibiting dose dependency [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (134.56 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.682 mL	8.4101 mL	16.8203 mL
5 mM	0.3364 mL	1.682 mL	3.3641 mL
10 mM	0.1682 mL	0.841 mL	1.682 mL
50 mM	0.0336 mL	0.1682 mL	0.3364 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 JH, et al. Antiarthritic effect of lonicerin on Candida albicans arthritis in mice. Arch Pharm Res. 2011 May;34(5): 853-9.

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