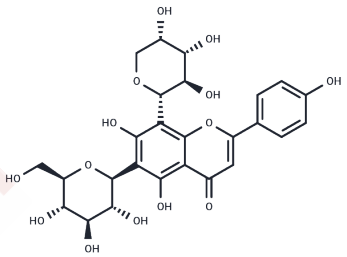
Data Sheet (Cat.No.T3898)

TargetMol

Schaftoside

Chemical Properties



CAS No. : 51938-32-0

Formula: C26H28O14

Molecular Weight: 564.49

Storage: Keep away from direct sunlight
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	Schaftoside (APIGENIN-6-GLUCOSIDE-8-ARABINOSIDE) has antioxidant and anticancer activity.
Targets(IC50)	Antioxidant,Mitochondrial Metabolism,Autophagy,Dynamin,MyD88,TLR

Solubility Information

Solubility	DMSO: 250 mg/mL (442.88 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.54 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7715 mL	8.8576 mL	17.7151 mL
5 mM	0.3543 mL	1.7715 mL	3.543 mL
10 mM	0.1772 mL	0.8858 mL	1.7715 mL
50 mM	0.0354 mL	0.1772 mL	0.3543 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

Sun D,et al. Simultaneous determination of four flavonoids and one phenolic acid in rat plasma by LC-MS/MS and its application to a pharmacokinetic study after oral administration of the Herba Desmodii Styracifolii extract. J Chromatogr B Analyt Technol Biomed Life Sci. 2013 Aug 1;932:66-73.

Shim K S, Hwang Y H, Jang S A, et al. Water Extract of Lysimachia christinae Inhibits Trabecular Bone Loss and Fat Accumulation in Ovariectomized Mice. Nutrients. 2020, 12(7): 1927

Shim K S, Hwang Y H, Jang S A, et al. . Water Extract of Lysimachia christinae Inhibits Trabecular Bone Loss and Fat Accumulation in Ovariectomized Mice[J]. Nutrients. 2020, 12(7): 1927.