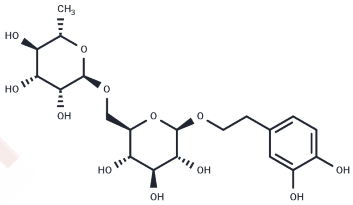
Data Sheet (Cat.No.T5S1094)

TargetMol

Forsythoside E

Chemical Properties



CAS No. : 93675-88-8

Formula: C20H30O12

Molecular Weight: 462.45

Storage: Keep away from moisture,Keep away from direct sunlight,Store at low temperature
Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Forsythoside E is a natutal product isolated from fruits of forsythia suspensa.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 150 mg/mL (324.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (21.62 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.16 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	2.1624 mL	10.812 mL	21.624 mL
5 mM	0.4325 mL	2.1624 mL	4.3248 mL
10 mM	0.2162 mL	1.0812 mL	2.1624 mL
50 mM	0.0432 mL	0.2162 mL	0.4325 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

Long-Hai J , Qing H U , Ji-Qiang Z , et al. Determination of forsythoside E in Tanreqing injection by LC-MS/MS[J]. Chinese Journal of Pharmaceutical Analysis, 2013.

Jiang H, Chen J, Li X, et al. Systematic Identification of Chemical Components in Fufang Shuanghua Oral Liquid and Screening of Potential Active Components Against SA¸ n Protease. Journal of Pharmaceutical and Biomedical Analysis. 2022: 115118.

Jiang H, Chen J, Li X, et al.Systematic identification of chemical components in Fufang Shuanghua oral liquid and screening of potential active components against SARS-CoV-2 protease.Journal of Pharmaceutical and Biomedical Analysis.2023, 223: 115118.