Data Sheet (Cat.No.T4962)

TargetMol

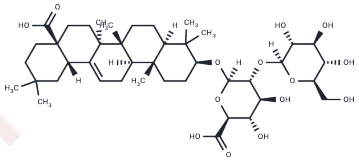
Zingibroside R1

Chemical Properties

CAS No. : 80930-74-1

Formula: C42H66O14

Molecular Weight: 794.97



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	Zingibroside R1 (Ginsenoside Z-R1) has anti-HIV-1 activity.
Targets(IC50)	HIV Protease

Solubility Information

Solubility	DMSO: 7.95 mg/mL (10 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: 1 mg/mL (1.26 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	1.2579 mL	6.2895 mL	12.5791 mL
5 mM	0.2516 mL	1.2579 mL	2.5158 mL
10 mM	0.1258 mL	0.629 mL	1.2579 mL
50 mM	0.0252 mL	0.1258 mL	0.2516 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

Yoshizaki K , Devkota H P , Fujino H , et al. Saponins Composition of Rhizomes, Taproots, and Lateral Roots of Satsuma-ninjin (Panax japonicus)[J]. Chemical and Pharmaceutical Bulletin, 2013, 61(3):344-350.
Hasegawa H , Matsumiya S , Uchiyama M , et al. Inhibitory Effect of Some Triterpenoid Saponins on Glucose Transport in Tumor Cells and its Application to\r, in vitro\r, Cytotoxic and Antiviral Activities[J]. Planta Medica, 1994, 60(03):240-243.

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