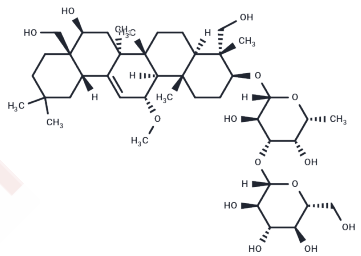
Data Sheet (Cat.No.T8209)

TargetMol

Saikosaponin b3

Chemical Properties



CAS No. : 58316-42-0

Formula: C43H72O14

Molecular Weight: 813.02

Storage: 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	Saikosaponin b3 is isolated from the roots of Bupleurum falcatum L.. Saikosaponin b3 inhibits ACTH-induced lipolysis in the fat cells and exhibits analgesic effects.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (30.75 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 (2.46 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	1.230 mL	6.1499 mL	12.2998 mL
5 mM	0.246 mL	1.230 mL	2.460 mL
10 mM	0.123 mL	0.615 mL	1.230 mL
50 mM	0.0246 mL	0.123 mL	0.246 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

Kita T, et al. Analgesic and other pharmacologic actions of saiko-saponin in repeated cold stressed (SART stressed) animals. J Pharmacobiodyn. 1980 Jun;3(6):269-80.
Kimura Y, et al. Effects of saikosaponins on the metabolic actions of adrenaline, ACTH and insulin on the fat cells. Chem Pharm Bull (Tokyo). 1980 Jun;28(6):1788-94.
Jang MJ, et al. Saikosaponin D isolated from Bupleurum falcatum inhibits selectin-mediated cell adhesion. Molecules. 2014 Dec 4;19(12):20340-9.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481