

Saikosaponin D

Chemical Properties

CAS No. : 20874-52-6

Formula: C₄₂H₆₈O₁₃

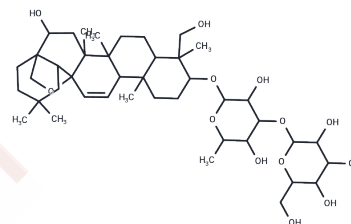
Molecular Weight: 780.98

Storage:

Keep away from moisture, Keep away from direct sunlight, Store at low temperature

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 D is a novel SERCA inhibitor by inhibiting NF-κB and STAT3 signaling to protect against acetaminophen-induced hepatotoxicity.
Targets(IC50)	Estrogen Receptor/ERR,NF-κB,Antibacterial,STAT

Solubility Information

Solubility	DMSO: 262 mg/mL (335.48 mM),Sonication is recommended. H2O: insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2804 mL	6.4022 mL	12.8044 mL
5 mM	0.2561 mL	1.2804 mL	2.5609 mL
10 mM	0.128 mL	0.6402 mL	1.2804 mL
50 mM	0.0256 mL	0.128 mL	0.2561 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

Liu RY1, Li JP. Saikosaponin-d inhibits proliferation of human undifferentiated thyroid carcinoma cells through induction of apoptosis and cell cycle arrest. *Eur Rev Med Pharmacol Sci*. 2014;18(17):2435-43.

Liu A, Tanaka N, Sun L, Guo B3, et al. Saikosaponin d protects against acetaminophen-induced hepatotoxicity by inhibiting NF- κ B and STAT3 signaling. *Chem Biol Interact*. 2014 Nov 5;223:80-6.

Zhang BZ1, Guo XT, Chen JW, et al. Saikosaponin-D attenuates heat stress-induced oxidative damage in LLC-PK1 cells by increasing the expression of anti-oxidant enzymes and HSP72. *Am J Chin Med*. 2014;42(5):1261-77.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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