

Soyasaponin Aa

Chemical Properties

CAS No. : 117230-33-8

Formula: C₆₄H₁₀₀O₃₁

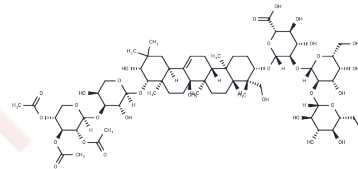
Molecular Weight: 1365.47

Storage:

Keep away from direct sunlight,Keep away from moisture,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	Soyasaponin Aa is a natural saponin capable of downregulating PPAR γ and C/EBP α in 3T3-L1 adipocytes, exhibiting anti-adipogenic effects.
Targets(IC50)	PPAR
In vitro	Soyasaponin Aa (12.5-200 μ M) showed no significant cytotoxicity in 3T3-L1 cells [1]. Soyasaponin Aa (25, 50, and 100 μ M) reduced triglyceride accumulation in 3T3-L1 adipocytes in a dose-dependent manner [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (58.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7323 mL	3.6617 mL	7.3235 mL
5 mM	0.1465 mL	0.7323 mL	1.4647 mL
10 mM	0.0732 mL	0.3662 mL	0.7323 mL
50 mM	0.0146 mL	0.0732 mL	0.1465 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

Soyasaponins Aa and Ab exert an anti-obesity effect in 3T3-L1 adipocytes through downregulation of PPAR γ .
Phytother Res. 2015 Feb;29(2):281-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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