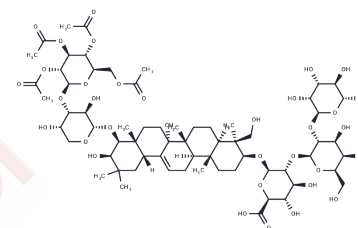


Soyasaponin Ac

Chemical Properties

CAS No. :	133882-74-3
Formula:	C ₆₇ H ₁₀₄ O ₃₂
Molecular Weight:	1421.52
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	Soyasaponin Ac can decrease the drug resistance via EMT pathway and weaken the migration ability of ovarian cancer cells.
Targets(IC50)	Others
In vitro	Cell viability assay was used to analyze the drug resistance of A2780/PTX cells treated with four different common soyasaponins respectively, in order to screen out the most effective soyasaponin. Then, the most effective soyasaponin was used to detect the expression of epithelial-mesenchymal transition (EMT)-related marker proteins, including N-cadherin and E-cadherin, with Western blot and confocal microscopy. Finally, transwell assay and wound healing assay were applied to observe effect of soyasaponin on regulating cancer cell migration. Compared with other soyasaponins, Soyasaponin Ac most effectively reversed the drug resistance of A2780/PTX cells. The expression of N-cadherin decreased while that of E-cadherin increased in A2780/PTX cells when treated with Soyasaponin Ac for 48 h. The results of transwell and wound healing assay suggested that Soyasaponin Ac also reduced the migration of A2780/PTX cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7035 mL	3.5174 mL	7.0347 mL
5 mM	0.1407 mL	0.7035 mL	1.4069 mL
10 mM	0.0703 mL	0.3517 mL	0.7035 mL
50 mM	0.0141 mL	0.0703 mL	0.1407 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

Effect of soyasaponin on drug resistance of ovarian cancer cells.Chinese Pharmacological Bulletin, 2018.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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