

Data Sheet (Cat.No.TN2229)

Soyasaponin Ac

Chemical Properties

CAS No.:	133882-74-3
Formula:	C67H104O32
Molecular Weight:	1421.6
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Soyasaponin Ac can decrease the drug resistance via EMT pathway and weaken the migration ability of ovarian cancer cells.
Targets(IC ₅₀)	others: None
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 the 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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.703 mL	3.517 mL	7.034 mL
5 mM	0.141 mL	0.703 mL	1.407 mL
10 mM	0.07 mL	0.352 mL	0.703 mL
50 mM	0.014 mL	0.07 mL	0.141 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481