

## Otophyllside O

## Chemical Properties

CAS No. : 1326583-08-7

Formula: C56H84O20

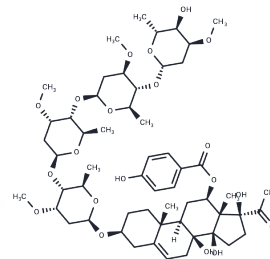
Molecular Weight: 1077.25

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	Otophyllside O is a natural progestin glycoside that inhibits the growth of cancer cells such as HepG2, HeLa, and U251 at micromolar concentrations (IC50 = 36.21-58.25 μM), demonstrating cytotoxic and anticancer potential.
Targets(IC50)	Apoptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9283 mL	4.6414 mL	9.2829 mL
5 mM	0.1857 mL	0.9283 mL	1.8566 mL
10 mM	0.0928 mL	0.4641 mL	0.9283 mL
50 mM	0.0186 mL	0.0928 mL	0.1857 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

Ma XX, Wang D, Zhang YJ, Yang CR. Identification of new qingyangshengenin and caudatin glycosides from the roots of *Cynanchum otophyllum*. *Steroids*. 2011 Sep-Oct;76(10-11):1003-9.

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