

Otophyllside B 4'''-O-beta-D-oleandropyranoside

Chemical Properties

CAS No. : 168001-54-5

Formula: C56H90O19

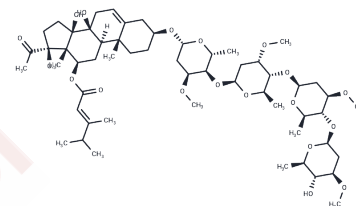
Molecular Weight: 1067.3

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 | Otophyllside B 4'''-O-beta-D-oleandropyranoside is a natural C21 steroidal glycoside that exhibits micromolar-level in vitro inhibitory activity against five human tumour cell lines (HL-60, SMMC-7721, A-549, MCF-7, and SW480) with micromolar-level in vitro inhibitory activity, IC ₅₀ = 12.2-→40 μM. |
| Targets(IC50) | Apoptosis |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.9369 mL | 4.6847 mL | 9.3694 mL |
| 5 mM | 0.1874 mL | 0.9369 mL | 1.8739 mL |
| 10 mM | 0.0937 mL | 0.4685 mL | 0.9369 mL |
| 50 mM | 0.0187 mL | 0.0937 mL | 0.1874 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

Dong J, Peng X, Li L, Lu S, Zhou L, Qiu M. C21 steroidal glycosides with cytotoxic activities from *Cynanchum otophyllum*. *Bioorg Med Chem Lett*. 2018 May 15;28(9):1520-1524.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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