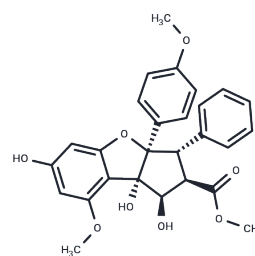


Silvestrol aglycone

Chemical Properties

CAS No. :	960365-65-5
Formula:	C27H26O8
Molecular Weight:	478.49
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Silvestrol aglycone is an analogue of Silvestrol, inhibits protein translation initiation in cancer cells (EC50s of 10 and 200 nM for myc-LUC and tub-LUC luciferase reporter protein translation, respectively), with anti-cancer activity.
Targets (IC50)	Others
In vitro	Silvestrol aglycone inhibits the proliferation of MDA-MB-231 cells (EC50 of 20 ± 10 nM after 72 h).

Solubility Information

Solubility	DMSO: 106 mg/mL (221.53 mM), (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0899 mL	10.4495 mL	20.8991 mL
5 mM	0.418 mL	2.0899 mL	4.1798 mL
10 mM	0.209 mL	1.045 mL	2.0899 mL
50 mM	0.0418 mL	0.209 mL	0.418 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.

Reference

Liu T, et al. Synthetic silvestrol analogues as potent and selective protein synthesis inhibitors. J Med Chem. 2012 Oct 25;55(20):8859-78.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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