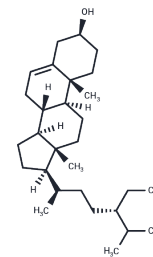


γ -Sitosterol

Chemical Properties

CAS No. :	83-47-6
Formula:	C ₂₉ H ₅₀ O
Molecular Weight:	414.707
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	γ -Sitosterol acts as an inhibitor of c-Myc. It suppresses the proliferation of cancer cells MCF-7 and A549, with IC ₅₀ values of 240.73 μ g/mL and 696.6 μ g/mL, respectively. γ -Sitosterol induces cell cycle arrest at the G ₂ /M phase and triggers apoptosis (apoptosis). Additionally, it upregulates the expression of cyclin B/E [cyclin B/E].
Targets(IC ₅₀)	Apoptosis,c-Myc

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4113 mL	12.0566 mL	24.1132 mL
5 mM	0.4823 mL	2.4113 mL	4.8226 mL
10 mM	0.2411 mL	1.2057 mL	2.4113 mL
50 mM	0.0482 mL	0.2411 mL	0.4823 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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:34 Washington Street,Wellesley Hills,MA 02481