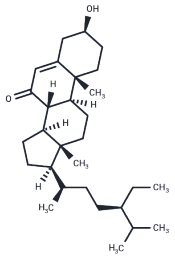
Data Sheet (Cat.No.TN3248)

TargetMol

7-Oxo-beta-sitosterol

Chemical Properties



CAS No. : 2034-74-4

Formula: C29H48O2

Molecular Weight: 428.69

Storage: 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	7-Oxo-beta-sitosterol (7-Ketositosterol), a phytosterol isolated from the fruit of x giganteus, has anticancer and antitumor activity, inhibits the proliferation of HL-60 acute myeloid leukemia (AML) cells, and stimulates the growth of HL-60 acute myeloid leukemia (AML) cells through the downregulation of the levels of S1P, p-44/42 ERK1/2 and p-NF-κB p65 proteins. -κB p65 protein levels to stimulate ceramide accumulation and apoptosis, and can be used to study breast cancer.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3327 mL	11.6634 mL	23.3269 mL
5 mM	0.4665 mL	2.3327 mL	4.6654 mL
10 mM	0.2333 mL	1.1663 mL	2.3327 mL
50 mM	0.0467 mL	0.2333 mL	0.4665 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

Lee D, et al. Identification of Renoprotective Phytosterols from Mulberry (Morus alba) Fruit against Cisplatin-Induced Cytotoxicity in LLC-PK1 Kidney Cells. Plants (Basel). 2021 Nov 17;10(11):2481.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481