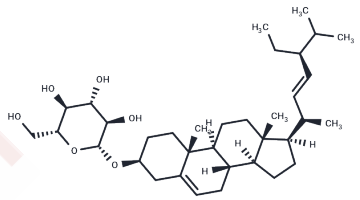
Data Sheet (Cat.No.TN2238)

TargetMol

Stigmasterol glucoside

Chemical Properties



CAS No. : 19716-26-8

Formula: C35H58O6

Molecular Weight: 574.83

Storage: Keep away from moisture,Keep away from direct sunlight
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	Stigmasterol glucoside is a natural sterol and 5α-reductase inhibitor (IC50=27.2 μM) with potential antioxidant and antitumor properties.
Targets(IC50)	Reductase
In vitro	Stigmasterol glucoside (1-200 μg/mL) combined with daucosterol demonstrates cytotoxicity against HeLa and MCF-7 cells, with IC50 values of 37.0/137.07 μg/mL [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7396 mL	8.6982 mL	17.3964 mL
5 mM	0.3479 mL	1.7396 mL	3.4793 mL
10 mM	0.174 mL	0.8698 mL	1.7396 mL
50 mM	0.0348 mL	0.174 mL	0.3479 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

Kamei H, et al. Screening of Euphorbiaceae Plant Extracts for Anti-5α-reductase. Biol Pharm Bull. 2018;41(8):1307-1310.
Kamei H, et al. Screening of Euphorbiaceae Plant Extracts for Anti-5α-reductase. Biol Pharm Bull. 2018;41(8):1307-1310.

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