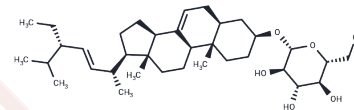


## alpha-Spinasterol glucoside

## Chemical Properties

CAS No. :	1745-36-4
Formula:	C35H58O6
Molecular Weight:	574.83
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	alpha-Spinasterol glucoside ( $\alpha$ -Spinasterol-3-O- $\beta$ -D-glucoside) is a natural sterol glucoside exhibiting weak inhibitory activity against alpha-glucosidase ( $IC_{50} = 75.9 \mu M$ ).
Targets( $IC_{50}$ )	Glucosidase

## 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

Zheng MS, et al. Chemical constituents of Melandrium firmum Rohrbach and their anti-inflammatory activity. Arch Pharm Res. 2008 Mar;31(3):318-22.

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