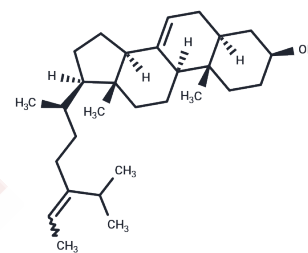


$\delta$ 7-Avenasterol

## Chemical Properties

CAS No. :	7212-91-1
Formula:	C <sub>29</sub> H <sub>48</sub> O
Molecular Weight:	412.702
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	$\delta$ 7-Avenasterol is a phytosterol that has been found in a variety of plant oils and grains, including olive and soybean oils and wheat, oats, and rye, and has antioxidant activities. <sup>1,2</sup> It reduces temperature-induced oxidation of safflower oil. <sup>3</sup>
Targets(IC50)	Others

## Solubility Information

Solubility	Methanol: Slightly soluble Chloroform: Slightly soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4231 mL	12.1153 mL	24.2307 mL
5 mM	0.4846 mL	2.4231 mL	4.8461 mL
10 mM	0.2423 mL	1.2115 mL	2.4231 mL
50 mM	0.0485 mL	0.2423 mL	0.4846 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

- Yorulmaz, H.O., and Konuskan, D.B. Antioxidant activity, sterol and fatty acid compositions of Turkish olive oils as an indicator of variety and ripening degree. *J. Food Sci. Technol.* 54(12):4067-4077(2017)
- Dutta, P.C., and Appelqvist, L. Saturated sterols (stanols) in unhydrogenated and hydrogenated edible vegetable oils and in cereal lipids. *J. Sci. Food Agric.* 71(3):383-391(1996)
- Sims, R.J., Fioriti, J.A., and Kanuk, M.J. Sterol additives as polymerization inhibitors for frying oils. *J. Am. Oil Chem. Soc.* 49:298-301(1972)

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