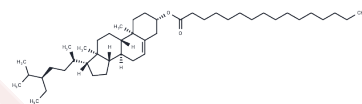


Sitosteryl palmitate

Chemical Properties

CAS No. : 2308-85-2
 Formula: C₄₅H₈₀O₂
 Molecular Weight: 653.13
 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	Sitosteryl palmitate is a naturally occurring phytosterol ester and a secondary metabolite found in plants; it exhibits inhibitory activity against Plasmodium falciparum.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5311 mL	7.6554 mL	15.3109 mL
5 mM	0.3062 mL	1.5311 mL	3.0622 mL
10 mM	0.1531 mL	0.7655 mL	1.5311 mL
50 mM	0.0306 mL	0.1531 mL	0.3062 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

Cheng MJ, et al. Secondary metabolites from the red mould rice of *Monascus purpureus* BCRC 38113. *Nat Prod Res.* 2010 Nov;24(18):1719-25.

Zofou D, et al. In vitro antiplasmodial activity and cytotoxicity of crude extracts and compounds from the stem bark of *Kigelia africana* (Lam.) Benth (Bignoniaceae). *Parasitol Res.* 2011;108(6):1383-1390.

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