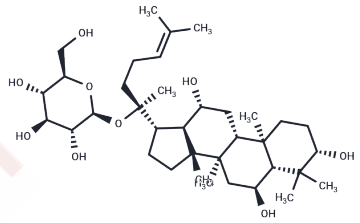
Data Sheet (Cat.No.T3401)

TargetMol

Ginsenoside F1

Chemical Properties



CAS No. : 53963-43-2

Formula: C36H62O9

Molecular Weight: 638.87

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Ginsenoside F1 (20(S)-Ginsenoside F1) is an enzymatically modified derivative of ginsenoside Rg1, showing competitive inhibition of the activity of CYP3A4 and a weaker inhibition of the activity of CYP2D6.
Targets(IC50)	Endogenous Metabolite,Cytochromes P450

Solubility Information

Solubility	DMSO: 45 mg/mL (70.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5653 mL	7.8263 mL	15.6526 mL
5 mM	0.3131 mL	1.5653 mL	3.1305 mL
10 mM	0.1565 mL	0.7826 mL	1.5653 mL
50 mM	0.0313 mL	0.1565 mL	0.3131 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.

Reference

Kim JH, et al. Exp Dermatol. 2015 Feb;24(2):150-2.

Han J, et al. Exp Dermatol. 2014 Nov;23(11):860-2.

Kim YS, et al. Biotechnol Lett. 2011 Dec;33(12):2457-61.

Lee EH, et al. J Invest Dermatol. 2003 Sep;121(3):607-13.

Qin M, et al. Ginsenoside F1 Ameliorates Endothelial Cell Inflammatory Injury and Prevents Atherosclerosis in Mice through A20-Mediated Suppression of NF-kB Signaling. Front Pharmacol. 2017 Dec 22;8:953.

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