

Taraxasterol

Chemical Properties

CAS No. : 1059-14-9

Formula: C₃₀H₅₀O

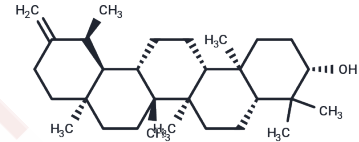
Molecular Weight: 426.72

Keep away from direct sunlight, Keep away from moisture

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	Taraxasterol (Taraxasterin) is compound with anti-inflammatory activity.
Targets(IC50)	NO Synthase, IL Receptor, Interleukin, Liver X Receptor, Prostaglandin Receptor, TNF

Solubility Information

Solubility	Ethanol: 4.28 mg/mL (10.03 mM), Sonication is recommended. DMSO: < 1 mg/mL (insoluble or 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	2.3435 mL	11.7173 mL	23.4346 mL
5 mM	0.4687 mL	2.3435 mL	4.6869 mL
10 mM	0.2343 mL	1.1717 mL	2.3435 mL
50 mM	0.0469 mL	0.2343 mL	0.4687 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

Zhang X., et al. Effects of taraxasterol on inflammatory responses in lipopolysaccharide-induced RAW 264.7 macrophages. J Ethnopharmacol. 2012 May 7;141(1):206-11.

Zhang X., et al. Protective effect of taraxasterol against LPS-induced endotoxic shock by modulating inflammatory responses in mice. Immunopharmacol Immunotoxicol. 2014 Feb;36(1):11-6.

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