

Pseudoprotodioscin

Chemical Properties

CAS No. : 102115-79-7

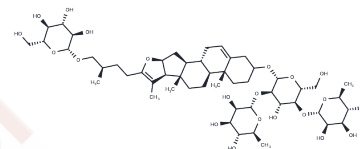
Formula: C₅₁H₈₂O₂₁

Molecular Weight: 1031.18

Keep away from direct sunlight

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	1. Pseudoprotodioscin has moderate cytotoxicity.
Targets(IC50)	Fatty Acid Synthase, MicroRNA

Solubility Information

Solubility	DMSO: 250 mg/mL (242.44 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (9.7 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (3.2 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9698 mL	4.8488 mL	9.6976 mL
5 mM	0.194 mL	0.9698 mL	1.9395 mL
10 mM	0.097 mL	0.4849 mL	0.9698 mL
50 mM	0.0194 mL	0.097 mL	0.194 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

Kawabata T , Cui M Y , Hasegawa T , et al. Anti-Inflammatory and Anti-Melanogenic Steroidal Saponin Glycosides from Fenugreek (*Trigonella foenum-graecum*, L.) Seeds[J]. *Planta Medica*, 2011, 77(07):705-710.

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