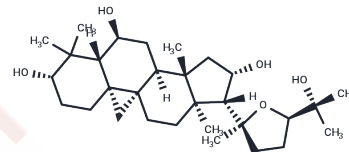


Cyclogalegenin

Chemical Properties

CAS No. :	84605-18-5
Formula:	C ₃₀ H ₅₀ O ₅
Molecular Weight:	490.71
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	Cyclogalegenin (Astramembrangenin) is able to elongate telomeres, resulting in increased lifespan of the animals.
Targets(IC50)	Telomerase

Solubility Information

Solubility	DMSO: 141.4 mg/mL (288.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (20.38 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (20.38 mM),Suspension. <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	2.0379 mL	10.1893 mL	20.3786 mL
5 mM	0.4076 mL	2.0379 mL	4.0757 mL
10 mM	0.2038 mL	1.0189 mL	2.0379 mL
50 mM	0.0408 mL	0.2038 mL	0.4076 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

de Jesus BB, et al. Aging Cell. 2011, 10 (4): 604-21.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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