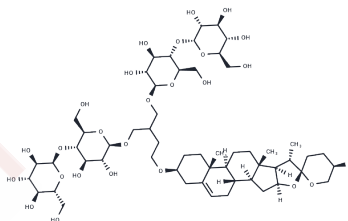


Glyco-diosgenin

Chemical Properties

CAS No. :	1402423-29-3
Formula:	C ₅₆ H ₉₂ O ₂₅
Molecular Weight:	1165.31
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Glyco-diosgenin is an amphiphilic substance steroid detergent widely used for extraction, solubilization, purification and Cryo-EM cryo-electron microscopy of membrane proteins with low critical micelle concentrations.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (68.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (2.83 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	0.8581 mL	4.2907 mL	8.5814 mL
5 mM	0.1716 mL	0.8581 mL	1.7163 mL
10 mM	0.0858 mL	0.4291 mL	0.8581 mL
50 mM	0.0172 mL	0.0858 mL	0.1716 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

Dalsen L, et, al. In meso crystallogenes. Compatibility of the lipid cubic phase with the synthetic digitonin analogue, glyco-diosgenin. J Appl Crystallogr. 2020 Mar 25;53(Pt 2):530-535.

Wojnowska M,et, al. Precursor-Receptor Interactions in the Twin Arginine Protein Transport Pathway Probed with a New Receptor Complex Preparation. Biochemistry. 2018 Mar 13;57(10):1663-1671.

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