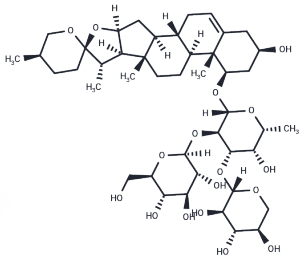
Data Sheet (Cat.No.T5794)

TargetMol

Saponin C from Liriope muscari

Chemical Properties



CAS No. : 130551-41-6

Formula: C44H70O17

Molecular Weight: 871.02

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	Saponin C from Liriope muscari can be extracted from Liriope muscari, family Liliaceae, has antithrombotic activity and induces autophagy.
Targets(IC50)	Autophagy

Solubility Information

Solubility	DMSO: 90 mg/mL (103.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (3.79 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1481 mL	5.7404 mL	11.4808 mL
5 mM	0.2296 mL	1.1481 mL	2.2962 mL
10 mM	0.1148 mL	0.574 mL	1.1481 mL
50 mM	0.023 mL	0.1148 mL	0.2296 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

Ruz C,et al. Saposin C, Key Regulator in the Alpha-Synuclein Degradation Mediated by Lysosome. Int J Mol Sci. 2022 Oct 9;23(19):12004.

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