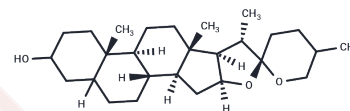


Spirostan-3-ol

Chemical Properties

CAS No. :	82597-74-8
Formula:	C ₂₇ H ₄₄ O ₃
Molecular Weight:	416.64
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	Spirostan-3-ol (Sarsaponin) is a stereoisomer of Sarsasapogenin (S142505), a steroid glycoside isolated from plant materials. A saponin with with potential anti-tumor activity via apoptosis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 4.2 mg/mL (10.08 mM), Sonication and heating are recommended. Ethanol: 5 mg/mL (12 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4002 mL	12.0008 mL	24.0015 mL
5 mM	0.480 mL	2.4002 mL	4.8003 mL
10 mM	0.240 mL	1.2001 mL	2.4002 mL
50 mM	0.048 mL	0.240 mL	0.480 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

- Shen S. et al.: Biochem. Biophys. Res. Comm., 441, 519 (2013);
- Li T, Lu D, Yao C, et al. Kans1 haploinsufficiency impairs autophagosome-lysosome fusion and links autophagic dysfunction with Koolen-de Vries syndrome in mice. Nature Communications. 2022, 13(1): 1-16.
- Gu G. et al.: Carb. Res., 383, 21 (2014)

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