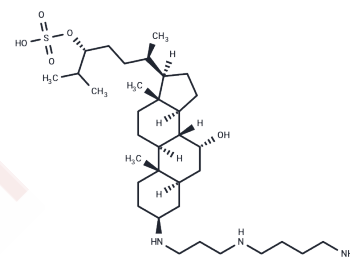


Squalamine

Chemical Properties

CAS No. :	148717-90-2
Formula:	C34H65N3O5S
Molecular Weight:	627.96
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	Squalamine is an aminosterol compound, with potent broad spectrum antiviral activity.
Targets(IC50)	FAK, Anti-infection, Others, Antibacterial, HBV

Solubility Information

Solubility	DMSO: 100 mg/mL (159.25 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 (5.26 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	1.5925 mL	7.9623 mL	15.9246 mL
5 mM	0.3185 mL	1.5925 mL	3.1849 mL
10 mM	0.1592 mL	0.7962 mL	1.5925 mL
50 mM	0.0318 mL	0.1592 mL	0.3185 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

Zasloff M, et al. Squalamine as a broad-spectrum systemic antiviral agent with therapeutic potential. Proc Natl Acad Sci U S A. 2011 Sep 20;108(38):15978-83.

Hraiech S, et al. Antibacterial efficacy of inhaled squalamine in a rat model of chronic Pseudomonas aeruginosa pneumonia. J Antimicrob Chemother. 2012 Oct;67(10):2452-8.

Djoughri-Bouktab L, et al. Squalamine ointment for Staphylococcus aureus skin decolonization in a mouse model. J Antimicrob Chemother. 2011 Jun;66(6):1306-10.

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