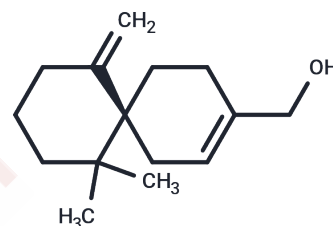


Chamigrenol

Chemical Properties

CAS No. :	19822-80-1
Formula:	C ₁₅ H ₂₄ O
Molecular Weight:	220.356
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	Chamigrenol is a promising candidate for the development of potent Na ⁺ /K ⁺ ATPase inhibitors and antimicrobial agents. It inhibited the activities of Na ⁺ /K ⁺ -ATPase, with the IC ₅₀ value of 15.9 ± 0.54 µg/mL.
Targets(IC ₅₀)	ATPase, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.538 mL	22.6901 mL	45.3803 mL
5 mM	0.9076 mL	4.538 mL	9.0761 mL
10 mM	0.4538 mL	2.269 mL	4.538 mL
50 mM	0.0908 mL	0.4538 mL	0.9076 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

In vitro Na⁺/K⁺-ATPase inhibitory activity and antimicrobial activity of sesquiterpenes isolated from *Thujopsis dolabrata*. Archives of pharmacal research, 2011, 34(12):2141-2147.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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