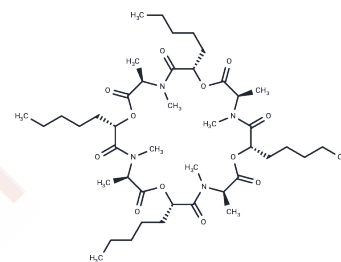


Ent-(+)-Verticilide

Chemical Properties

CAS No. :	2056011-05-1
Formula:	C44H76N4O12
Molecular Weight:	853.09
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	ent-(+)-verticilide is an effective and specific inhibitor of cardiac ryanodine receptor (RyR2) calcium release channels, demonstrating antiarrhythmic properties. It suppresses RyR2-mediated diastolic Ca ²⁺ leak and shows greater potency and a unique action mechanism compared to Dantrolene and Tetracaine. ent-(+)-verticilide serves as a valuable tool for exploring the therapeutic potential of addressing RyR2 hyperactivity in cardiac and neurological conditions [1].
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1722 mL	5.861 mL	11.7221 mL
5 mM	0.2344 mL	1.1722 mL	2.3444 mL
10 mM	0.1172 mL	0.5861 mL	1.1722 mL
50 mM	0.0234 mL	0.1172 mL	0.2344 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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