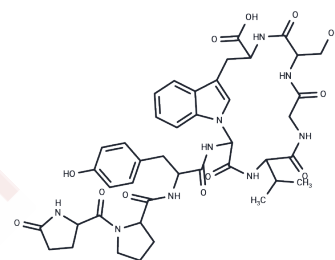


Lyciumin A

Chemical Properties

CAS No. :	125708-06-7
Formula:	C42H51N9O12
Molecular Weight:	873.921
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	Lyciumin A, a cyclic octapeptide, exhibits inhibitory properties against proteases, renin, and angiotensin-converting enzyme [ACE], making it a potential candidate for hypertension research.
Targets(IC50)	RAAS,Others,Angiotensin-converting Enzyme (ACE)
In vitro	Lyciumin A inhibits renin activity by 19.4% at a concentration of 40 µg/mL.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1443 mL	5.7213 mL	11.4427 mL
5 mM	0.2289 mL	1.1443 mL	2.2885 mL
10 mM	0.1144 mL	0.5721 mL	1.1443 mL
50 mM	0.0229 mL	0.1144 mL	0.2289 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

- Kersten RD, et, al. Gene-guided discovery and engineering of branched cyclic peptides in plants. Proc Natl Acad Sci U S A. 2018 Nov 13;115(46):E10961-E10969.
- Rubin GM, et, al. Recent advances in the biosynthesis of RiPPs from multicore-containing precursor peptides. J Ind Microbiol Biotechnol. 2020 Oct;47(9-10):659-674.

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