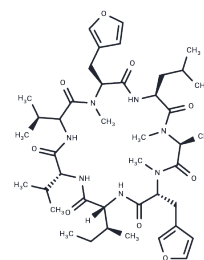


Rhizonin A

Chemical Properties

CAS No. :	85803-92-5
Formula:	C42H65N7O9
Molecular Weight:	812.022
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Rhizonin A is a natural active product isolated from Rhizopus microsporum. Mainly located in membranes within cells. Is a compound that promotes plant growth.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2315 mL	6.1575 mL	12.315 mL
5 mM	0.2463 mL	1.2315 mL	2.463 mL
10 mM	0.1231 mL	0.6157 mL	1.2315 mL
50 mM	0.0246 mL	0.1231 mL	0.2463 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

Kang SM, Khan AL, Hussain J, Ali L, Kamran M, Waqas M, Lee IJ. Rhizonin A from Burkholderia sp. KCTC11096 and its growth promoting role in lettuce seed germination. *Molecules*. 2012 Jul 3;17(7):7980-8. doi: 10.3390/molecules17077980. PubMed PMID: 22759911.

Shimokawa K, Yamada K, Uemura D. Structure-based hybridization of the bioactive natural products rhizonin A and ternatin leading to a selective fat-accumulation inhibitor against 3T3-L1 adipocytes. *Bioorg Med Chem Lett*. 2009 Feb 1;19(3):867-9. doi: 10.1016/j.bmcl.2008.11.109. Epub 2008 Dec 6. PubMed PMID: 19097891.

Wilson T, Rabie CJ, Fincham JE, Steyn PS, Schipper MA. Toxicity of rhizonin A, isolated from *Rhizopus microsporus*, in laboratory animals. *Food Chem Toxicol*. 1984 Apr;22(4):275-81. PubMed PMID: 6539275.

Partida-Martinez LP, de Looss CF, Ishida K, Ishida M, Roth M, Buder K, Hertweck C. Rhizonin, the first mycotoxin isolated from the zygomycota, is not a fungal metabolite but is produced by bacterial endosymbionts. *Appl Environ Microbiol*. 2007 Feb;73(3):793-7. Epub 2006 Nov 22. PubMed PMID: 17122400; PubMed Central PMCID: PMC1800748.

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