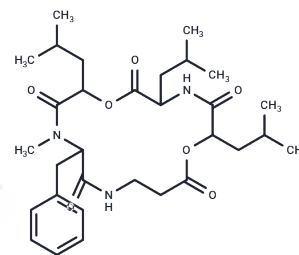


Leualacin

Chemical Properties

CAS No. : 128140-12-5
 Formula: C₃₁H₄₇N₃O₇
 Molecular Weight: 573.72
 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	Leualacin is a novel calcium blocker from Hapsidospora irregularis.
Targets(IC50)	Others, Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.743 mL	8.7151 mL	17.4301 mL
5 mM	0.3486 mL	1.743 mL	3.486 mL
10 mM	0.1743 mL	0.8715 mL	1.743 mL
50 mM	0.0349 mL	0.1743 mL	0.3486 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

- Hamano K, Kinoshita M, Furuya K, Miyamoto M, Takamatsu Y, Hemmi A, Tanzawa K. Leualacin, a novel calcium blocker from *Hapsidospora irregularis*. I. Taxonomy, fermentation, isolation, physico-chemical and biological properties. *J Antibiot (Tokyo)*. 1992 Jun;45(6):899-905. Erratum in: *J Antibiot (Tokyo)* 1992 Aug;45(8):C-4. PubMed PMID: 1500357.
- Hu MK, Yang FC, Chou CC, Yen MH. Synthesis and evaluation of backbone/amide-modified analogs of leualacin. *Bioorg Med Chem Lett*. 1999 Feb 22;9(4):563-8. PubMed PMID: 10098664.
- Hamano K, Kinoshita M, Tanzawa K, Yoda K, Ohki Y, Nakamura T, Kinoshita T. Leualacin, a novel calcium blocker from *Hapsidospora irregularis*. II. Structure determination. *J Antibiot (Tokyo)*. 1992 Jun;45(6):906-13. Erratum in: *J Antibiot (Tokyo)* 1992 Aug;45(8):C-4. PubMed PMID: 1500358.
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