

## Leucinostatin D

## Chemical Properties

CAS No. :	108426-90-0
Formula:	C <sub>57</sub> H <sub>103</sub> N <sub>11</sub> O <sub>11</sub>
Molecular Weight:	1118.5
Storage:	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	Leucinostatin D is a novel peptide antibiotic isolated from <i>Paecilomyces marquandii</i> .
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8941 mL	4.4703 mL	8.9405 mL
5 mM	0.1788 mL	0.8941 mL	1.7881 mL
10 mM	0.0894 mL	0.447 mL	0.8941 mL
50 mM	0.0179 mL	0.0894 mL	0.1788 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

- Rossi C, Tuttobello L, Ricci M, Casinovi CG, Radics L. Leucinostatin D, a novel peptide antibiotic from *Paecilomyces marquandii*. *J Antibiot (Tokyo)*. 1987 Jan;40(1):130-3. PubMed PMID: 3558114.
- Martinez AF, Moraes LA. Liquid chromatography-tandem mass spectrometry characterization of five new leucinostatins produced by *Paecilomyces lilacinus* CG-189. *J Antibiot (Tokyo)*. 2015 Mar;68(3):178-84. doi: 10.1038/ja.2014.120. Epub 2014 Sep 3. PubMed PMID: 25182486.
- Mikami Y, Yazawa K, Fukushima K, Arai T, Udagawa S, Samson RA. Paecilotoxin production in clinical or terrestrial isolates of *Paecilomyces lilacinus* strains. *Mycopathologia*. 1989 Dec;108(3):195-9. PubMed PMID: 2615806.

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