

## Trichodecenin I

## Chemical Properties

CAS No. : 141024-74-0

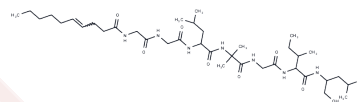
Formula: C<sub>38</sub>H<sub>69</sub>N<sub>7</sub>O<sub>8</sub>

Molecular Weight: 752.011

Keep away from moisture

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	Trichodecenin I is a peptaibol isolated from <i>Trichoderma viride</i> .
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3298 mL	6.6488 mL	13.2977 mL
5 mM	0.266 mL	1.3298 mL	2.6595 mL
10 mM	0.133 mL	0.6649 mL	1.3298 mL
50 mM	0.0266 mL	0.133 mL	0.266 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

Gatto E, Bocchinfuso G, Palleschi A, Oncea S, De Zotti M, Formaggio F, Toniolo C, Venanzi M. 3D structure, dynamics, and activity of synthetic analog of the peptaibiotic trichodecenin I. *Chem Biodivers*. 2013 May;10(5):887-903. doi: 10.1002/cbdv.201200388. PubMed PMID: 23681732.

Monaco V, Formaggio F, Crisma M, Toniolo C, Shui X, Eggleston DS. Crystallographic structure of a multiple beta-turn containing, glycine-rich heptapeptide: a synthetic precursor of the lipopeptaibol antibiotic trichodecenin I. *Biopolymers*. 1996 Jul;39(1):31-42. PubMed PMID: 8924625.

Fujita T, Wada S, Iida A, Nishimura T, Kanai M, Toyama N. Fungal metabolites. XIII. Isolation and structural elucidation of new peptaibols, trichodeceniins-I and -II, from *Trichoderma viride*. *Chem Pharm Bull (Tokyo)*. 1994 Mar;42(3):489-94. PubMed PMID: 8004694.

Toniolo C, Crisma M, Formaggio F, Peggion C, Epand RF, Epand RM. Lipopeptaibols, a novel family of membrane active, antimicrobial peptides. *Cell Mol Life Sci*. 2001 Aug;58(9):1179-88. Review. PubMed PMID: 11577977.

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