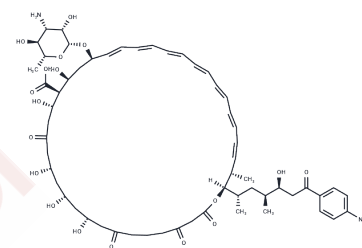


Candididin D

Chemical Properties

CAS No. :	39372-30-0
Formula:	C ₅₉ H ₈₄ N ₂ O ₁₈
Molecular Weight:	1109.317
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	Candididin D is an antifungal agent isolated from <i>Streptomyces griseus</i> .
Targets(IC50)	Others,Antibiotic,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9015 mL	4.5073 mL	9.0145 mL
5 mM	0.1803 mL	0.9015 mL	1.8029 mL
10 mM	0.0901 mL	0.4507 mL	0.9015 mL
50 mM	0.018 mL	0.0901 mL	0.1803 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

- Szwarc K, Szczeblewski P, Sowiński P, Borowski E, Pawlak J. The stereostructure of candididin D. *J Antibiot (Tokyo)*. 2015 Aug;68(8):504-10. doi: 10.1038/ja.2015.17. Epub 2015 Feb 25. PubMed PMID: 25712395.
- Lei X, Kong L, Zhang C, You D, Deng Z. [Function of transporter genes *fscTI* and *fscTII* in the biosynthetic cluster of candididin/FR-008]. *Wei Sheng Wu Xue Bao*. 2012 Dec 4;52(12):1458-66. Chinese. PubMed PMID: 23457795.
- Zhang P, Zhao Z, Li H, Chen XL, Deng Z, Bai L, Pang X. Production of the antibiotic FR-008/candididin in *Streptomyces* sp. FR-008 is co-regulated by two regulators, *FscRI* and *FscRIV*, from different transcription factor families. *Microbiology*. 2015 Mar;161(Pt 3):539-52. doi: 10.1099/mic.0.000033. Epub 2015 Jan 9. PubMed PMID: 25575546.
- Lei X, Kong L, Zhang C, Liu Q, Yao F, Zhang W, Deng Z, You D. In vivo investigation of the substrate recognition capability and activity affecting amino acid residues of glycosyltransferase *FscMI* in the biosynthesis of candididin. *Mol Biosyst*. 2013 Mar;9(3):422-30. doi: 10.1039/c2mb25464f. Epub 2013 Jan 17. PubMed PMID: 23324745.

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