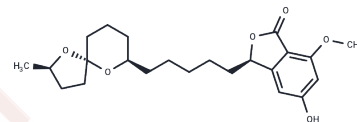


## Spirolaxine

## Chemical Properties

CAS No. :	126382-01-2
Formula:	C <sub>23</sub> H <sub>32</sub> O <sub>6</sub>
Molecular Weight:	404.5
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	Spirolaxine, a natural product isolated from <i>Sporotrichum laxum</i> ATCC 15155, has shown a variety of biological activities including promising anti- <i>Helicobacter pylori</i> property.
Targets(IC50)	Others,Endogenous Metabolite,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4722 mL	12.3609 mL	24.7219 mL
5 mM	0.4944 mL	2.4722 mL	4.9444 mL
10 mM	0.2472 mL	1.2361 mL	2.4722 mL
50 mM	0.0494 mL	0.2472 mL	0.4944 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

Sun L, Wang S, Zhang S, Yu D, Qin Y, Huang H, Wang W, Zhan J. Identification of a type III polyketide synthase involved in the biosynthesis of spiroloxine. *Appl Microbiol Biotechnol*. 2016 Aug;100(16):7103-13. doi: 10.1007/s00253-016-7444-5. Epub 2016 Mar 29. PubMed PMID: 27023915.

Wang S, Zhang S, Zhou T, Zhan J. Three new resorcylic acid derivatives from *Sporotrichum laxum*. *Bioorg Med Chem Lett*. 2013 Nov 1;23(21):5806-9. doi: 10.1016/j.bmcl.2013.08.109. Epub 2013 Sep 7. PubMed PMID: 24070784; PubMed Central PMCID: PMC3825103.

Yadav JS, Sreenivas M, Srinivas Reddy A, Subba Reddy BV. A practical total synthesis of (+)-spiroloxine methyl ether. *J Org Chem*. 2010 Dec 3;75(23):8307-10. doi: 10.1021/jo1016647. Epub 2010 Nov 8. PubMed PMID: 21058660.

Sperry J, Liu YC, Brimble MA. Synthesis of natural products containing spiroketals via intramolecular hydrogen abstraction. *Org Biomol Chem*. 2010 Jan 7;8(1):29-38. doi: 10.1039/b916041h. Epub 2009 Oct 7. PubMed PMID: 20024126.

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