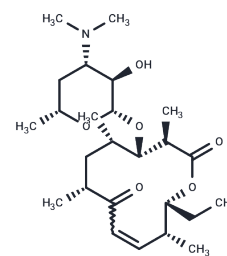


## Antibiotic YC 17

## Chemical Properties

CAS No. :	11091-33-1
Formula:	C <sub>25</sub> H <sub>43</sub> NO <sub>6</sub>
Molecular Weight:	453.62
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	Antibiotic YC 17 is a biochemical agent.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2045 mL	11.0224 mL	22.0449 mL
5 mM	0.4409 mL	2.2045 mL	4.409 mL
10 mM	0.2204 mL	1.1022 mL	2.2045 mL
50 mM	0.0441 mL	0.2204 mL	0.4409 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

- Shinde PB, Han AR, Cho J, Lee SR, Ban YH, Yoo YJ, Kim EJ, Kim E, Song MC, Park JW, Lee DG, Yoon YJ. Combinatorial biosynthesis and antibacterial evaluation of glycosylated derivatives of 12-membered macrolide antibiotic YC-17. *J Biotechnol.* 2013 Oct 20;168(2):142-8. doi: 10.1016/j.jbiotec.2013.05.014. Epub 2013 Jun 13. PubMed PMID: 23770075.
- Rettedal E, Vilain S, Lindblom S, Lehnert K, Scofield C, George S, Clay S, Kaushik RS, Rosa AJ, Francis D, Brözel VS. Alteration of the ileal microbiota of weanling piglets by the growth-promoting antibiotic chlortetracycline. *Appl Environ Microbiol.* 2009 Sep;75(17):5489-95. doi: 10.1128/AEM.02220-08. Epub 2009 Jul 17. PubMed PMID: 19617391; PubMed Central PMCID: PMC2737922.
- Podust LM, Kim Y, Arase M, Neely BA, Beck BJ, Bach H, Sherman DH, Lamb DC, Kelly SL, Waterman MR. The 1.92-A structure of *Streptomyces coelicolor* A3(2) CYP154C1. A new monooxygenase that functionalizes macrolide ring systems. *J Biol Chem.* 2003 Apr 4;278(14):12214-21. Epub 2003 Jan 7. PubMed PMID: 12519772.
- Wilson DJ, Xue Y, Reynolds KA, Sherman DH. Characterization and analysis of the PikD regulatory factor in the pikromycin biosynthetic pathway of *Streptomyces venezuelae*. *J Bacteriol.* 2001 Jun;183(11):3468-75. PubMed PMID: 11344155; PubMed Central PMCID: PMC99645.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481