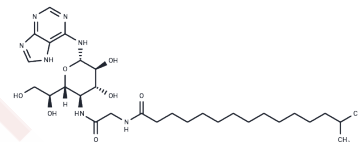


## Septacidin

## Chemical Properties

CAS No. : 62362-59-8  
 Formula: C<sub>30</sub>H<sub>51</sub>N<sub>7</sub>O<sub>7</sub>  
 Molecular Weight: 621.77  
 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	Septacidin represents a group of l-eptopyranoses including nucleoside antibiotics with antitumor, antifungal, and pain-relief activities.
Targets(IC50)	Others,Antibiotic,Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6083 mL	8.0416 mL	16.0831 mL
5 mM	0.3217 mL	1.6083 mL	3.2166 mL
10 mM	0.1608 mL	0.8042 mL	1.6083 mL
50 mM	0.0322 mL	0.1608 mL	0.3217 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

Tang W, Guo Z, Cao Z, Wang M, Li P, Meng X, Zhao X, Xie Z, Wang W, Zhou A, Lou C, Chen Y. d-Sedoheptulose-7-phosphate is a common precursor for the heptoses of septacidin and hygromycin B. *Proc Natl Acad Sci U S A*. 2018 Mar 13;115(11):2818-2823. doi: 10.1073/pnas.1711665115. Epub 2018 Feb 26. PubMed PMID: 29483275; PubMed Central PMCID: PMC5856511.

Sukkurwala AQ, Adjemian S, Senovilla L, Michaud M, Spaggiari S, Vacchelli E, Baracco EE, Galluzzi L, Zitvogel L, Kepp O, Kroemer G. Screening of novel immunogenic cell death inducers within the NCI Mechanistic Diversity Set. *Oncoimmunology*. 2014 Apr 16;3:e28473. eCollection 2014. PubMed PMID: 25050214; PubMed Central PMCID: PMC4063139.

Price NP, Furukawa T, Cheng F, Qi J, Chen W, Crich D. Biosynthesis of 4-aminoheptose 2-epimers, core structural components of the septacidins and spicamycins. *J Antibiot (Tokyo)*. 2014 May;67(5):405-14. doi: 10.1038/ja.2014.15. Epub 2014 Mar 19. PubMed PMID: 24643053.

Mizumura Y. [Spicamycin derivative]. *Nihon Rinsho*. 2006 Feb;64(2):322-8. Review. Japanese. PubMed PMID: 16454188.

**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