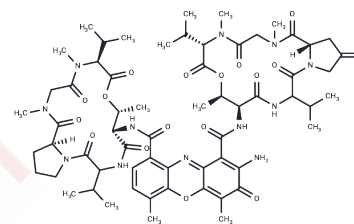


## Actinomycin X2

## Chemical Properties

CAS No. :	18865-48-0
Formula:	C62H84N12O17
Molecular Weight:	1269.421
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Actinomycin X2 (Actinomycin V) is a compound synthesized by various species of Streptomyces. It displays potent inhibition against methicillin-resistant Staphylococcus aureus (MRSA), with a minimum inhibitory concentration (MIC) of 0.25 µg/mL. Actinomycin X2 possesses potential applications in the treatment of both cancer and bacterial infections.
Targets(IC50)	Apoptosis, Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7878 mL	3.9388 mL	7.8776 mL
5 mM	0.1576 mL	0.7878 mL	1.5755 mL
10 mM	0.0788 mL	0.3939 mL	0.7878 mL
50 mM	0.0158 mL	0.0788 mL	0.1576 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

Zhiyu Chen, et al. Anti-MRSA Activity of Actinomycin X 2 and Collismycin A Produced by Streptomyces globisporusWA5-2-37 From the Intestinal Tract of American Cockroach ( Periplaneta americana). Front Microbiol. 2020 Apr 7;11:555.

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