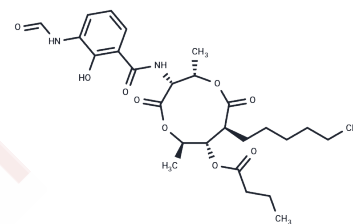


## Antimycin A2

## Chemical Properties

CAS No. :	27220-57-1
Formula:	C <sub>27</sub> H <sub>38</sub> N <sub>2</sub> O <sub>9</sub>
Molecular Weight:	534.6
Storage:	Store at low temperature 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	Antimycin A2 is a principal constituent and the biologically active component of the antibiotic complex known as Antimycin A, which exerts its inhibitory activity against a range of fungal species and certain insects through a primary mechanism of action involving the potent inhibition of cellular respiration by blocking the reoxidation of cytochrome b within the mitochondrial electron transport chain.
Targets(IC50)	Mitochondrial Metabolism, Antifungal, Cytochromes P450

## Solubility Information

Solubility	Ethanol: Soluble, Sonication is recommended. DMF: Soluble, Sonication is recommended. Methanol: Soluble, Sonication is recommended. DMSO: Soluble, Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8706 mL	9.3528 mL	18.7056 mL
5 mM	0.3741 mL	1.8706 mL	3.7411 mL
10 mM	0.1871 mL	0.9353 mL	1.8706 mL
50 mM	0.0374 mL	0.1871 mL	0.3741 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

Ortiz-Gomez M T, et al. Liquid chromatography determination of simazine and antimycin A in must[[]]. Journal of Agricultural and Food Chemistry, 1995, 43(11): 2883-2886.

Zheng J, Wang Q, Chen J, et al. Tumor mitochondrial oxidative phosphorylation stimulated by the nuclear receptor ROR $\gamma$  represents an effective therapeutic opportunity in osteosarcoma. Cell Reports Medicine. 2024

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