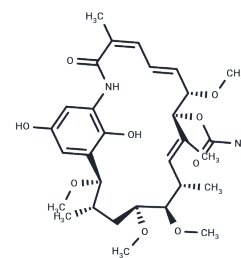


TAN 420E

## Chemical Properties

CAS No. : 91700-93-5  
 Formula: C<sub>30</sub>H<sub>44</sub>N<sub>2</sub>O<sub>9</sub>  
 Molecular Weight: 576.687  
 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	TAN 420E is a bacterial metabolite originally isolated from Streptomyces. It scavenges 2,2-diphenyl-1-picrylhydrazyl radicals in a cell-free assay (IC <sub>50</sub> = 1.3 μM) and reduces thiobarbituric acid reactive substances (TBARS) in rat liver microsomes by 72% when used at a concentration of 100 μg/ml. TAN 420E is active against B. brevis, B. cereus, M. flavus, and S. aureus (MICs = 50-100 μg/ml). It is cytotoxic to P388 and KB lymphocytic leukemia cells (EC <sub>50</sub> s = 0.022 and 0.3 μg/ml, respectively).
Targets(IC <sub>50</sub> )	Others,Antibiotic,ROS

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.734 mL	8.6702 mL	17.3403 mL
5 mM	0.3468 mL	1.734 mL	3.4681 mL
10 mM	0.1734 mL	0.867 mL	1.734 mL
50 mM	0.0347 mL	0.1734 mL	0.3468 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.

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

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

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