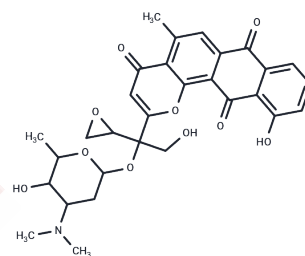


A 51493A

## Chemical Properties

CAS No. : 121245-06-5  
 Formula: C<sub>30</sub>H<sub>31</sub>N<sub>1</sub>O<sub>10</sub>  
 Molecular Weight: 565.57  
 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	A51493A is a novel antibiotic in the class of anthracyclinone, it is produced by a strain of <i>Streptomyces humifer</i> .
Targets(IC50)	Others, Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7681 mL	8.8406 mL	17.6813 mL
5 mM	0.3536 mL	1.7681 mL	3.5363 mL
10 mM	0.1768 mL	0.8841 mL	1.7681 mL
50 mM	0.0354 mL	0.1768 mL	0.3536 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

Paschal JW, Occolowitz JL, Larsen SH, Boeck LD, Mertz FP. A51493A, a novel anthracyclinone antibiotic produced by a strain of *Streptomyces humifer*. *J Antibiot (Tokyo)*. 1989 Apr;42(4):623-6. PubMed PMID: 2486306.

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