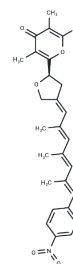


## Neoareothin

## Chemical Properties

CAS No. :	59795-94-7
Formula:	C <sub>28</sub> H <sub>31</sub> N <sub>6</sub> O
Molecular Weight:	477.557
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	Neoareothin, a bacterial metabolite found in Streptomyces, is an androgen receptor (AR) antagonist that inhibits dihydrotestosterone (DHT) binding to ARs (IC <sub>50</sub> = 13 μM) and DHT-induced prostate-specific antigen expression in LNCaP cells (IC <sub>50</sub> = 1.75 nM). It is cytotoxic to A549, HCT116, and HepG2 cells (IC <sub>50</sub> s = 34.3, 47, and 37.2 μg/ml, respectively), exhibits nematocidal activity against the pine wood nematode <i>B. xylophilus</i> (LC <sub>50</sub> = 0.84 μg/ml), and increases survival of <i>P. densiflora</i> trees inoculated with <i>B. xylophilus</i> .
Targets(IC <sub>50</sub> )	Others,Antibacterial

## Solubility Information

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

	1mg	5mg	10mg
1 mM	2.094 mL	10.4699 mL	20.9398 mL
5 mM	0.4188 mL	2.094 mL	4.188 mL
10 mM	0.2094 mL	1.047 mL	2.094 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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**

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