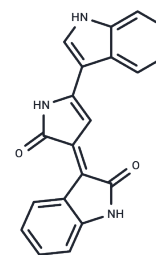


## Deoxyviolacein

## Chemical Properties

CAS No. :	5839-61-2
Formula:	C <sub>20</sub> H <sub>13</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	327.343
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	Deoxyviolacein is a bacterial metabolite and byproduct in the biosynthesis of the bisindole alkaloid violacein, exhibiting anticancer, antibacterial, and antifungal properties. It inhibits hepatocellular carcinoma cell proliferation at concentrations of 0.1 to 1 $\mu$ M. Deoxyviolacein (125 $\mu$ g/ml) demonstrates antibacterial activity against Gram-positive bacteria, including <i>S. aureus</i> , <i>B. subtilis</i> , and <i>B. megaterium</i> , and showcases antifungal activity against <i>R. solani</i> at 2 mg/ml.
Targets(IC50)	Others,Antibacterial,Antifungal

## Solubility Information

Solubility	Ethanol: Soluble DMF: Soluble Methanol: Soluble 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	3.0549 mL	15.2746 mL	30.5493 mL
5 mM	0.611 mL	3.0549 mL	6.1099 mL
10 mM	0.3055 mL	1.5275 mL	3.0549 mL
50 mM	0.0611 mL	0.3055 mL	0.611 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.

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