Data Sheet (Cat.No.T36025)



Deoxyviolacein

Chemical Properties

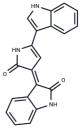
CAS No.: 5839-61-2

Formula: C20H13N3O2

Molecular Weight: 327.343

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description Deoxyviolacein is a bacterial metabolite and byproduct in the biosynthesis of the

bisindole alkaloid violacein that has anticancer, antibacterial, and antifungal properties. It inhibits proliferation of hepatocellular carcinoma cells when used at concentrations ranging from 0.1 to 1 μ M. Deoxyviolacein (125 μ g/ml) has antibacterial activity against Gram-positive bacteria, including S. aureus, B. subtilis, and B. megaterium. It also has

antifungal activity against R. solani when used at a concentration of 2 mg/ml.

Solubility Information

Solubility Ethanol: Soluble

DMF: Soluble Methanol: Soluble DMSO: Soluble

(< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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