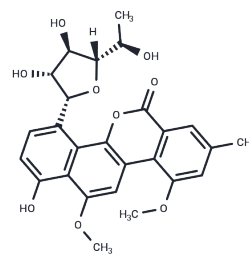


Gilvocarcin M

Chemical Properties

CAS No. :	77879-89-1
Formula:	C ₂₆ H ₂₆ O ₉
Molecular Weight:	482.485
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	Gilvocarcin M is an antibiotic originally isolated from <i>S. gilvotanareus</i> . It is active against <i>S. aureus</i> when used at a concentration of 32 µg/ml. Gilvocarcin M inhibits growth of KB cells (IC ₅₀ = 0.52 µg/ml) but has no effect on survival in a P388 mouse model of leukemia when used at doses ranging from 25 to 400 mg/kg. Gilvocarcin M intercalates into bacteriophage PM2 DNA. It is toxic to rats with an intravenous LD ₅₀ value of 450 mg/kg.
Targets(IC ₅₀)	Others, Antibacterial, Antibiotic

Solubility Information

Solubility	DMF: 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	2.0726 mL	10.3629 mL	20.7258 mL
5 mM	0.4145 mL	2.0726 mL	4.1452 mL
10 mM	0.2073 mL	1.0363 mL	2.0726 mL
50 mM	0.0415 mL	0.2073 mL	0.4145 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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