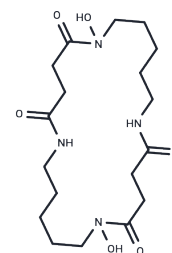


Bisucaberin

Chemical Properties

CAS No. :	112972-60-8
Formula:	C ₁₈ H ₃₂ N ₄ O ₆
Molecular Weight:	400.476
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	Bisucaberin is a siderophore and bacterial metabolite that has been found in <i>A. haloplanktis</i> and has anticancer activity. It inhibits the growth of L1210 and 1MC carcinoma cells (IC ₅₀ s = 9.7 and 12.7 μM, respectively) and sensitizes fibrosarcoma 1023 cells to macrophage-mediated cytotoxicity.
Targets(IC ₅₀)	Others, DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.497 mL	12.485 mL	24.970 mL
5 mM	0.4994 mL	2.497 mL	4.994 mL
10 mM	0.2497 mL	1.2485 mL	2.497 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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

- Hou, Z., Raymond, K.N., O'Sullivan, B., et al. A preorganized siderophore: Thermodynamic and structural characterization of alcaligin and bisucaberin, microbial macrocyclic dihydroxamate chelating agents. *Inorg. Chem.* 37(26)6630-6637(1998)
- Kameyama, T., Takahashi, A., Kurasawa, S., et al. Bisucaberin, a new siderophore, sensitizing tumor cells to macrophage-mediated cytotoxicity. I. Taxonomy of the producing organism, isolation and biological properties. *J. Antibiot. (Tokyo)* 40(12)1664-1670(1987)

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