# Data Sheet (Cat.No.T36748)



## Heliquinomycin

Chemical Propert	ties
CAS No. :	178182-49-5 <sub>**C</sub>
Formula:	C33H30017
Molecular Weight:	698.586
Appearance: 🦲	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year

#### **Biological Description**

Description	Heliquinomycin is a bacterial metabolite originally isolated fromStreptomycesthat has
	diverse biological activities.1It is active against a variety of Gram-positive bacteria,
	including strains of B. anthracis, B. subtilis, and methicillin-sensitive or -resistantS.
·	aureus(MICs = <0.05-0.39 $\mu$ g/ml). Heliquinomycin inhibits the activity of DNA helicase
	with a Kivalue of 6.8 µM. It reduces the growth of L1210 leukemia, B16 melanoma, and
	FS-3 fibrosarcoma cells (IC50s = 0.97, 0.89, and 0.83 $\mu$ g/ml, respectively).

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	1.4315 mL	7.1573 mL	14.3145 mL
5 mM	0.2863 mL	1.4315 mL	2.8629 mL
10 mM	0.1431 mL	0.7157 mL	1.4315 mL
50 mM	0.0286 mL	0.1431 mL	0.2863 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.

#### Reference

Chino, M., Nishikawa, K., Umekita, M., et al.Heliquinomycin, a new inhibitor of DNA helicase, produced by Streptomyces sp. MJ929-SF2 I. Taxonomy, production, isolation, physico-chemical properties and biological

### Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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