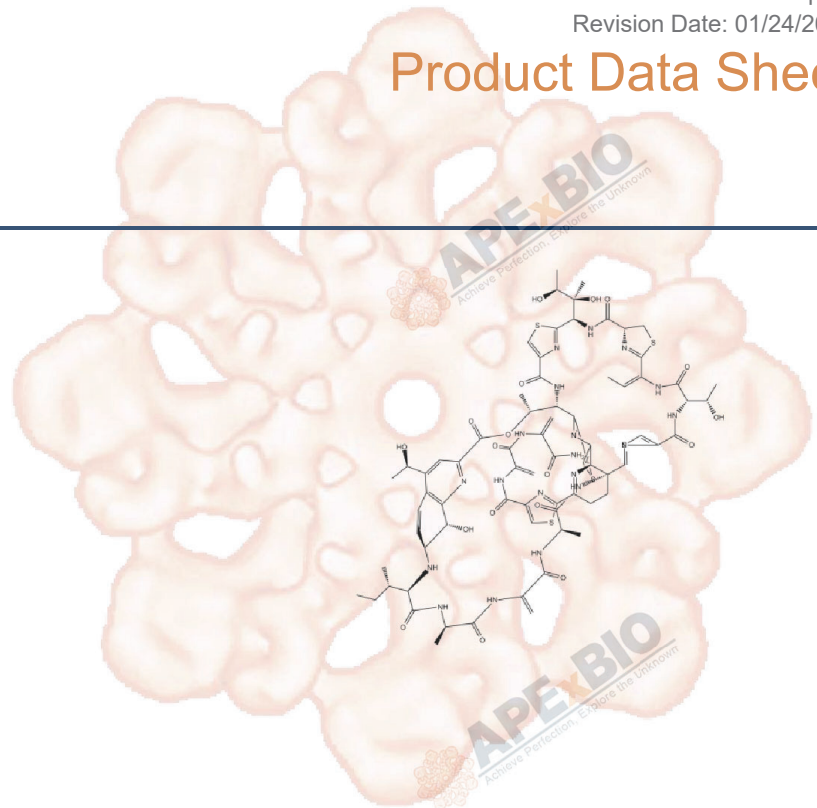


# Product Data Sheet

## Thiostrepton

<b>Cat. No.:</b>	B7336
<b>CAS No.:</b>	1393-48-2
<b>Formula:</b>	C72H85N19O18S5
<b>M.Wt:</b>	1664.89
<b>Synonyms:</b>	
<b>Target:</b>	DNA Damage/DNA Repair
<b>Pathway:</b>	DNA Synthesis
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

insoluble in EtOH; insoluble in H<sub>2</sub>O; ≥14.4 mg/mL in DMSO

In Vitro	Preparing Stock Solutions	Mass			
		Solvent	1mg	5mg	10mg
		Concentration			
		1 mM	0.6006 mL	3.0032 mL	6.0064 mL
		5 mM	0.1201 mL	0.6006 mL	1.2013 mL
		10 mM	0.0601 mL	0.3003 mL	0.6006 mL

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary	Antibiotic that inhibits bacterial protein synthesis
IC <sub>50</sub> & Target	
In Vitro	<b>Cell Viability Assay</b>
	Preparation method:
In Vivo	<b>Animal experiment</b>
	Applications:

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

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