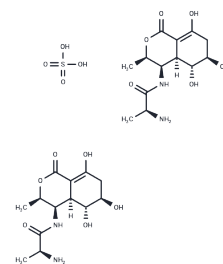


## Actinobolin hemisulfate

### Chemical Properties

CAS No. : 18802-17-0  
 Formula: C<sub>13</sub>H<sub>20</sub>N<sub>2</sub>O<sub>6</sub> 0.5H<sub>2</sub>SO<sub>4</sub>  
 Molecular Weight: 349.35  
 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	Actinobolin hemisulfate ((+)-Actinobolin hemisulfate) is the hemisulfate salt form of Actinobolin. This antibiotic functions by targeting ribosomes in both bacteria and eukaryotes to inhibit protein synthesis. Actinobolin hemisulfate exhibits inhibitory effects on Mycobacterium smegmatis, Escherichia coli, and rabbit reticulocyte lysate (RRL) with IC <sub>50</sub> values of 19.2, 27.9, and 288 μmol/L, respectively.
Targets(IC <sub>50</sub> )	Antibacterial, Antibiotic

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8625 mL	14.3123 mL	28.6246 mL
5 mM	0.5725 mL	2.8625 mL	5.7249 mL
10 mM	0.2862 mL	1.4312 mL	2.8625 mL
50 mM	0.0572 mL	0.2862 mL	0.5725 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**

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