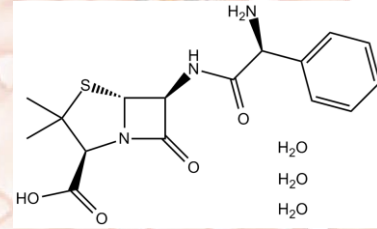


# Product Data Sheet

## Ampicillin Trihydrate

**Cat. No.:** B1662  
**CAS No.:** 7177-48-2  
**Formula:** C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>S·3H<sub>2</sub>O  
**M.Wt:** 403.45  
**Synonyms:**  
**Target:**  
**Pathway:**  
**Storage:** Store at -20°C



### Solvent & Solubility

insoluble in EtOH;  $\geq 16.7$  mg/mL in DMSO;  $\geq 2.39$  mg/mL in H<sub>2</sub>O with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	2.4786 mL	12.3931 mL	24.7862 mL
	<b>5 mM</b>	0.4957 mL	2.4786 mL	4.9572 mL
	<b>10 mM</b>	0.2479 mL	1.2393 mL	2.4786 mL

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

### Biological Activity

Shortsummary

$\beta$  -lactam antibiotic

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

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 APEX BIO 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.*

**APEX BIO Technology**

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