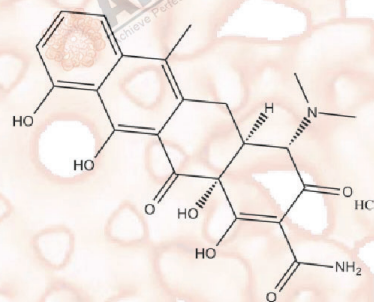


## Product Data Sheet

### Anhydrotetracycline (hydrochloride)

<b>Cat. No.:</b>	C4291
<b>CAS No.:</b>	13803-65-1
<b>Formula:</b>	C <sub>22</sub> H <sub>22</sub> N <sub>2</sub> O <sub>7</sub> ·HCl
<b>M.Wt:</b>	462.9
<b>Synonyms:</b>	
<b>Target:</b>	Others
<b>Pathway:</b>	Transcription Factors
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥12.5 mg/mL in H<sub>2</sub>O; ≥15.43 mg/mL in EtOH with gentle warming; ≥2.42 mg/mL in DMSO with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	2.1603 mL	10.8015 mL	21.6029 mL
	<b>5 mM</b>	0.4321 mL	2.1603 mL	4.3206 mL
	<b>10 mM</b>	0.2160 mL	1.0801 mL	2.1603 mL

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

### Biological Activity

Shortsummary

powerful effector in both the tetracycline repressor (TetR) and reverse TetR (revTetR) systems

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 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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