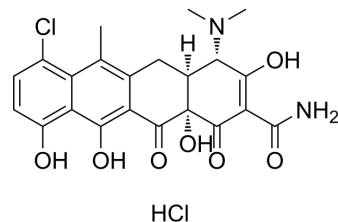


## Anhydrochlortetracycline hydrochloride

Cat. No.:	HY-137196
CAS No.:	65490-24-6
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>7</sub>
Molecular Weight:	497.33
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Anhydrochlortetracycline hydrochloride is a degradation product of chlortetracycline (HY-B1327A). Anhydrochlortetracycline hydrochloride inhibits the growth of actinomycetes <sup>[1][2]</sup> .
<b>In Vitro</b>	Anhydrochlortetracycline hydrochloride completely inhibits the growth of actinomycetes with the concentration of 30, 3, 5, 5, 5, 10, 10, 5, 1, 10, 10 µg/mL for <i>Streptomyces rimosus</i> , <i>Streptomyces griseus</i> , <i>Streptomyces lavendulae</i> , <i>Streptomyces hygroscopicus</i> , <i>Streptomyces endus</i> , <i>Streptomyces netrop8i8</i> , <i>Streptomyces salmonicida</i> , <i>Streptomyces albo-niger</i> , <i>Streptomyces purpeochromogenus</i> , <i>Streptomyces halstedii</i> , <i>Nocardia asteroides</i> , respectively <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Howe EE, et al. Further studies on the effect of chlortetracycline on plasma cholesterol of the weanling mouse. *J Nutr.* 1960 Nov;72:375-8.
- [2]. GOODMAN JJ, et al. The effect of anhydrochlortetracycline on the growth of actinomycetes. *J Bacteriol.* 1955 Jan;69(1):70-2.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA