Product Information

**Description**
Oxytetracycline is a tetracycline antibiotic that exhibits broad spectrum antibacterial and anticancer efficacy; it is commonly used in veterinary medicine. Oxytetracycline inhibits t-RNA binding to ribosomes and inhibits proliferation of adenocarcinoma cells.

**Chemical Name**
[4S-(4α,,4aα,5α,,5aα,,6β,12aα,)]-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydrothacenecarboxamide

**Synonym**
Adamycin, Geotilin, Terramycin

**Formula**
$\text{C}_{22}\text{H}_{24}\text{N}_{2}\text{O}_{9}$

**Formula Wt.**
460.43

**Melting Point**
184-185°C

**Purity**
≥96%

**Solubility**
Insoluble in water (~0.24 mg/mL). Ethanol (15 mg/mL).

**Store Temp**
4°C

**Ship Temp**
Ambient

**References**


This product is intended for laboratory and research use only. It is not for human or drug use.