



LKT Laboratories, Inc.

Oxytetracycline

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Product Information

Product ID O9396

CAS No. 79-57-2

Chemical Name [4S-(4 α ,,4a α ,5 α ,,5a α ,,6B,12a α ,)]-4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydrothacencarboxamide

Synonym Adamycin, Geotilin, Terramycin

Formula C₂₂H₂₄N₂O₉

Formula Wt. 460.43

Melting Point 184-185 °C

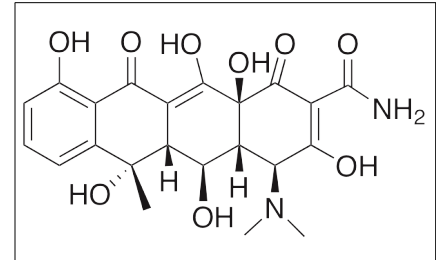
Purity ≥96%

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

Store Temp 4 °C

Ship Temp Ambient

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.



Bulk quantities available upon request

Product ID	Size
O9396	10 g
O9396	50 g
O9396	100 g

References Strobel H, Lauseker M, Forbes AB. Targeted antibiotic treatment of lame sheep with footrot using either oxytetracycline or gamithromycin. *Vet Rec.* 2014 Jan 11;174(2):46. PMID: 24362004.

Shao J, Feng G. Selective killing effect of oxytetracycline, propafenone and metamizole on A549 or Hela cells. *Chin J Cancer Res.* 2013 Dec;25(6):662-70. PMID: 24385693.

Strel'tsov SA, Kukhanova MK, Gurskiĭ GV, et al. Oxytetracycline binding to E. coli ribosomes. *Mol Biol (Mosk).* 1975 Nov-Dec;9(6):910-21. PMID: 778591.

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