



LKT Laboratories, Inc.

Oxytetracycline Hydrochloride

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Product Information

Product ID O9397

CAS No. 2058-46-0

Chemical Name 4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride

Synonym Alamycin, Hydrocyclin, Oxacycline, Tetran hydrochloride

Formula $C_{22}H_{24}N_2O_9 \cdot HCl$

Formula Wt. 496.93

Melting Point 220° C

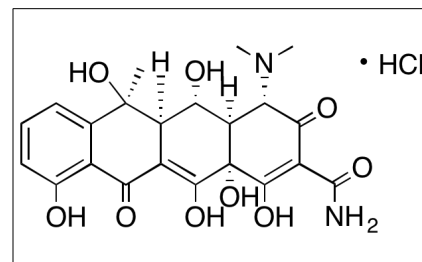
Purity ≥96%

Solubility Soluble in water (1g/mL) and 95% ethanol.

Store Temp Ambient

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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
O9397	10 g	\$30.70
O9397	50 g	\$115.00
O9397	100 g	\$203.70

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 metimazole on A549 or Hela cells. Chin J Cancer Res. 2013 Dec;25(6):662-70. PMID: 24385693.

Strel'tsov SA, Kukhanova MK, Gurskii 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.