

Product Data Sheet

Product Name: Avilamycin A

Cat. No.: GC45984

Chemical Properties

Cas. No. 69787-79-7

Formula C₆₁H₈₈Cl₂O₃₂

M.Wt 1404.2

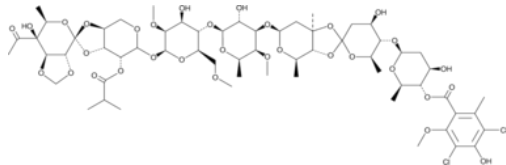
Solubility Acetone: slightly soluble, Methanol: slightly, heated

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Avilamycin A is an antibiotic.¹ It is active against veterinary isolates of *C. perfringens* (MICs = ≤0.06-0.5 mg/L) and *B. hyodysenteriae* (MICs = 12.5-100 µg/ml).^{1,2} Dietary administration of avilamycin A (15 and 30 ppm) reduces mortality in a broiler cockerel model of *C. perfringens* infection.³ Formulations containing avilamycin A have been used in the prevention of necrotic enteritis in livestock.

[1. Watkins, K.L., Shryock, T.R., Dearth, R.N., et al. In-vitro antimicrobial susceptibility of *Clostridium perfringens* from commercial turkey and broiler chicken origin. *Vet. Microbiol.* 54(2), 195-200 (1997).]2. Uezato, K., Kinjo, E., and Adachi, Y. In vitro susceptibility of 21 antimicrobial agents to 37 isolates of *Brachyspira hyodysenteriae* isolated from pigs in Okinawa Prefecture. *J. Vet. Med. Sci.* 66(3), 307-309 (2004).]3. Paradis, M.A., McMillan, E., Bagg, R., et al. Efficacy of avilamycin for the prevention of necrotic enteritis caused by a pathogenic strain of *Clostridium perfringens* in broiler chickens. *Avian Pathol.* 45(3), 365-369 (2016).

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

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