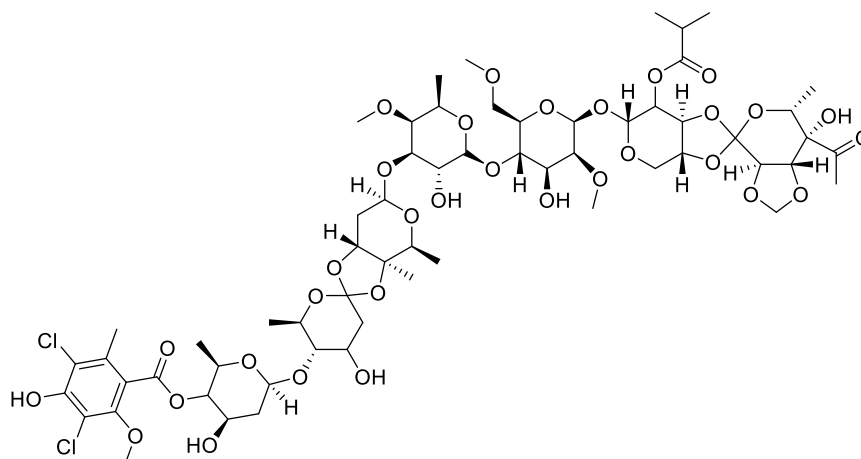


Avilamycin A

Code No.: **BIA-A2301**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 69787-79-7
Molecular Formula	: C₆₁H₈₈Cl₂O₃₂
Molecular Weight	: 1404.2
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Avilamycin A is a chlorine-containing polysaccharide antibiotic produced by *Streptomyces viridochromogenes*. Avilamycin is active against Gram-positive bacteria and is used as a growth promotant and for prevention of necrotic enteritis in animals. Avilamycin binds to the 30S ribosome and resistance is conferred by rRNA methyl transferases. Avilamycin A is a major analogue in the commercial product Surmax™.

References

1. Avilamycin. Buzzetti F. et al. *Experientia* 1968, 24, 320.
2. Avilamycin, an inhibitor of the 30 S ribosomal subunits function. Wolf H. *FEBS Lett* 1973, 36, 181.
3. An ATP-binding cassette transporter and two rRNA methyltransferases are involved in resistance to avilamycin in the producer organism *Streptomyces viridochromogenes* Tu57. Weitnauer G. et al. *Antimicrob Agents Chemother* 2001, 45, 690.