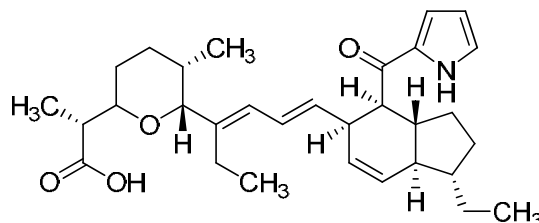


Indanomycin

Code: **BIA-I1296**

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



Synonyms : **Antibiotic X 14547A**

Specifications

CAS # : **66513-28-8**
Molecular Formula : **C₃₁H₄₃NO₄**
Molecular Weight : **493.7**
Source : ***Streptomyces* sp.**
Appearance : **Light tan solid**
Purity : **>95%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

Indanomycin is an unusual pyrrolic ionophore active against Gram +ve bacteria and insects. Interestingly, indanomycin has been demonstrated to possess antihypertensive properties. Indanomycin possesses affinity for both mono- and divalent ions and has been reported as a growth promotor in ruminants.

References

1. Structure of antibiotic X-14547A, a carboxylic acid ionophore produced by *Streptomyces antibioticus*, NRRL 8167. Westley J.W. et al. J. Am. Chem. Soc. 1978, 100, 6784.
2. A new ionophorous antibiotic produced by *Streptomyces antibioticus* NRRL 8167. Discovery, fermentation, biological properties and taxonomy of the producing culture. Liu C. M. et al. J. Antibiot. 1979, 32, 95.
3. Isolation and characterization of antibiotic X-14547A, a novel monocarboxylic acid ionophore produced by *Streptomyces antibioticus*, NRRL 8167. Westley J. W. et al. J. Antibiot. 1979, 32, 100.
4. Insecticidal activity of indanomycin. Zhang D. J. Antibiot. 1997, 50, 617.