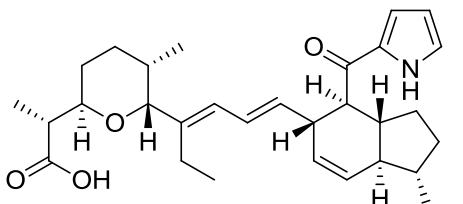


## Indanomycin

Code No.: **BIA-I1296**

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



Synonyms : X 14547A

## Specifications

CAS #	: 66513-28-8
Molecular Formula	: C <sub>31</sub> H <sub>43</sub> NO <sub>4</sub>
Molecular Weight	: 493.7
Source	: <b>Streptomyces sp.</b>
Appearance	: <b>Light tan solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</b>

## Application Notes

Indanomycin is an unusual pyrrollic ionophore active against Gram positive bacteria and insects. Interestingly, indanomycin has antihypertensive properties. Indanomycin possesses affinity for both mono- and divalent ions, and has been reported as a growth promoter 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.