

Product Name: Indanomycin

Product Number: I020

CAS Number: 66513-28-8

Molecular Formula: $C_{31}H_{43}NO_4$

Molecular Weight: 493.7

Appearance: Light tan solid

Storage Conditions: -20°C

Description: Indanomycin is an unusual pyrrolic 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.

Indanomycin is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

References: 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.

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.

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.

Insecticidal activity of indanomycin. Zhang D. J. Antibiot. 1997, 50, 617.