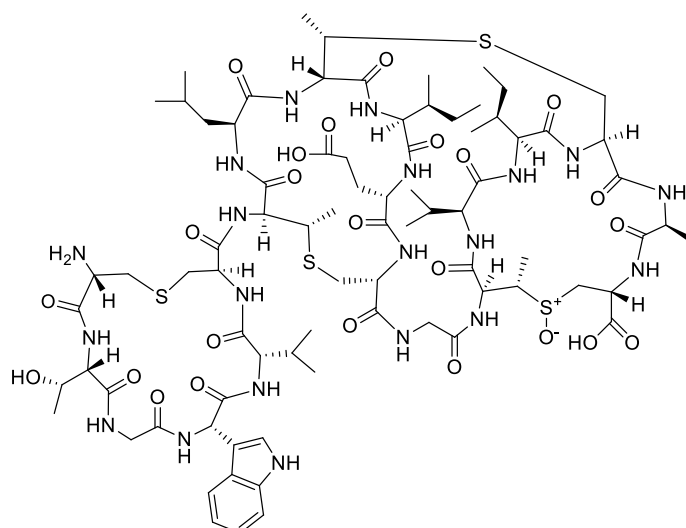


## Actagardin

Code No.: **BIA-A1528**

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



Synonyms : A 3802-IV-3, Actagardine, Gardimycin, NVB 302

## Specifications

CAS #	: 59165-34-3
Molecular Formula	: $C_{81}H_{124}N_{20}O_{24}S_4$
Molecular Weight	: 1890.2
Source	: <i>Actinoplanes</i> sp.
Appearance	: White to off white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

## Application Notes

Actagardin is a high molecular weight tetracyclic antibiotic produced by several species of *Actinoplanes*. Actagardin is an antibiotic in which the macrocyclic rings are formed by thioether, rather than disulphide, bridges. Actagardin is a potent Gram positive and Gram negative antibiotic. Actagardin acts by inhibition of peptidoglycan biosynthesis.

## References

1. Gardimycin, a new antibiotic from *Actinoplanes*. I. Description of the producer strain and fermentation studies. Parenti F. et al., J. Antibiot. 1976, 29, 501.
2. Gardimycin, a new antibiotic from *Actinoplanes*. II Isolation and preliminary characterisation. Coronelli C. et al., J. Antibiot. 1976, 29, 507.