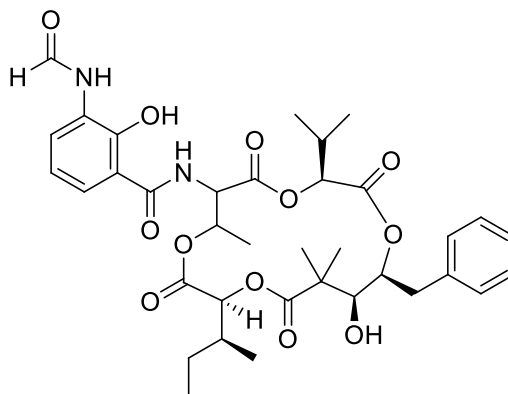


## Neoantimycin

Code No.: **BIA-N1057**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

## Specifications

CAS #	: 22862-63-1
Molecular Formula	: C <sub>36</sub> H <sub>46</sub> N <sub>2</sub> O <sub>12</sub>
Molecular Weight	: 698.8
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

## Application Notes

Neoantimycin is a rare and unusual ring-extended member of the antimycin class. Neoantimycin is produced by a *Streptomyces* species unrelated to antimycin-producing strains. Literature references to neoantimycin are limited but the recent discovery of the closely related metabolite, prunustatin A, as a selective GRP78 molecular chaperone down-regulator highlights the potential of this class as research probes.

## References

1. The structure of neoantimycin. Caglioti L. Tetrahedron. 1969, 25, 2193.
2. Prunustatin A, a novel GRP78 molecular chaperone down-regulator isolated from *Streptomyces violaceoniger*. Umeda Y. et al., J Antibiot. 2005, 58, 206.