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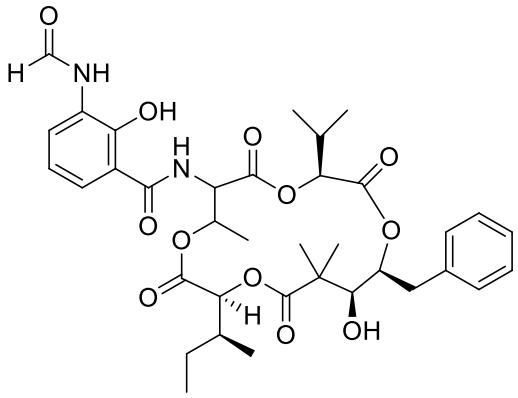
PRODUCT DATA SHEET

Neoantimycin

Code No.: **BIA-N1057**

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



Synonyms : -

Specifications

CAS #	:	**22862-63-1**
Molecular Formula	:	**$C_{36}H_{46}N_2O_{12}$**
Molecular Weight	:	**698.8**
Source	:	***Streptomyces* sp.**
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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.

For in vitro laboratory use only. Not for human or animal use.

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Building C, 28-54 Percival Road, Smithfield, NSW 2164, AUSTRALIA

Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com