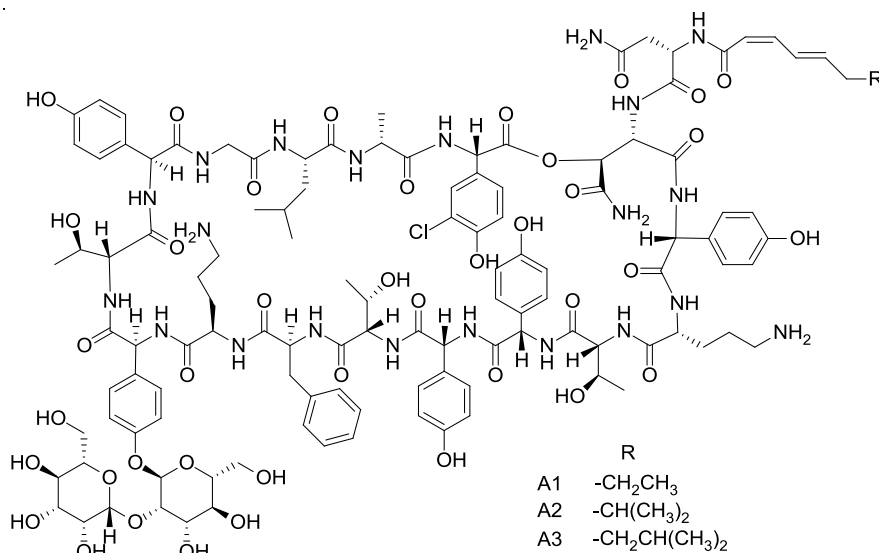


Ramoplanin complex

Code No.: **BIA-R1375**

Pack sizes: **5 mg, 25 mg**



Synonyms :

Specifications

CAS #	: 76168-82-6
Molecular Formula	: C ₁₁₉ H ₁₅₄ ClN ₂₁ O ₄₀ (for A ₂)
Molecular Weight	: 2554.1
Source	: <i>Actinoplanes</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Ramoplanin is a complex of three high molecular weight glycolipodepsipeptides, varying in the chain length and shape of the dieneone lipid side-chain. Ramoplanin was isolated in the early 1980s as the major metabolite of a strain of *Actinoplanes* with antiviral and antibiotic activity against drug resistant Gram positive isolates. Ramoplanin acts by inhibiting cell wall biosynthesis via a different mechanism from the vancomycin-related glycopeptides.

References

1. A-16686, a new antibiotic from *Actinoplanes*. I. Fermentation, isolation and preliminary physico-chemical characteristics. Cavalleri B. et al. J. Antibiot. 1984, 37, 309.
2. Bactericidal activity of ramoplanin against antibiotic-resistant enterococci. Johnson C.C. et al. Antimicrob. Agents Chemother. 1992, 36, 2342.
3. Ramoplanin: a lipoglycopeptide antibiotic. Farver D.K. et al. Ann. Pharmacother. 2005, 39, 863.

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