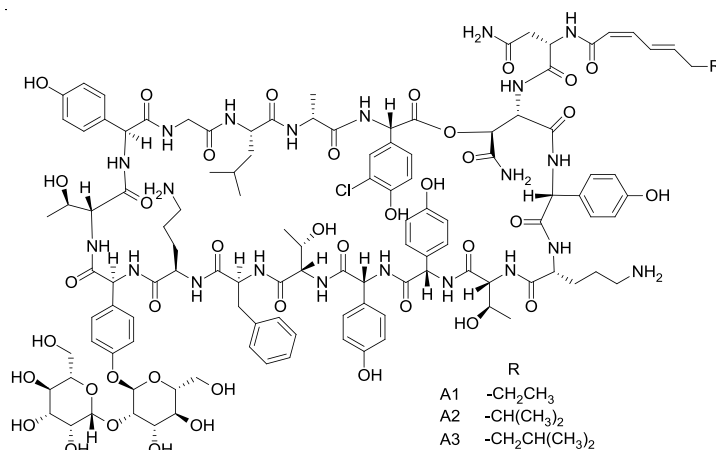


Ramoplanin complex

Code No.: **BIA-R1375**

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



Synonyms :

Specifications

| | |
|-------------------|--|
| CAS # | : 76168-82-6 |
| Molecular Formula | : C₁₁₉H₁₅₄ClN₂₁O₄₀ (for A2) |
| 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.