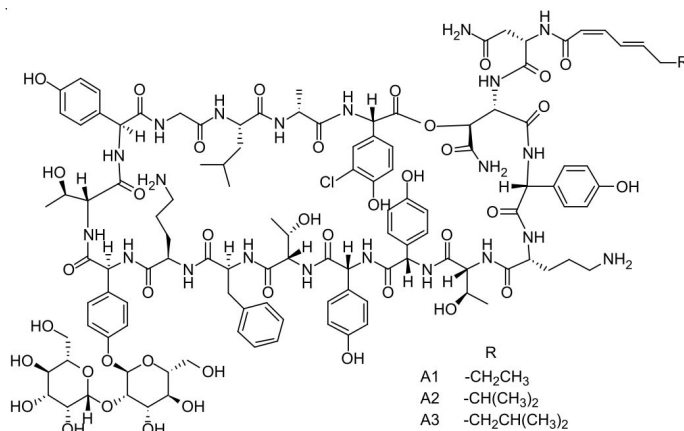


Ramoplanin complex

Code No.: BIA-R1375

Pack sizes.: 5mg, 25mg



Synonyms:

-

## Specifications

CAS #	: <b>76168-82-6</b>
Molecular Formula	: <b>C119H154ClN21O40(forA2)</b>
Molecular Weight	: <b>2554.1 (for A2)</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</b>

## 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.