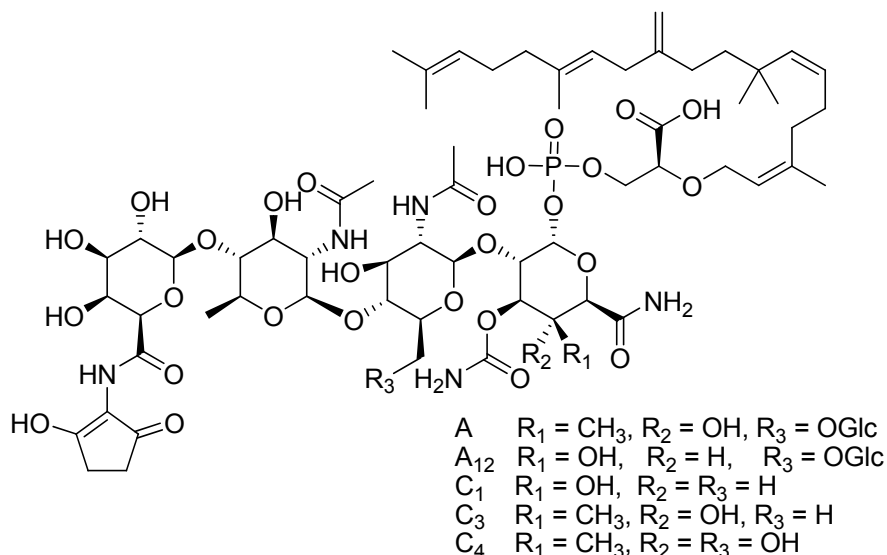


Moenomycin complex

Code: **BIA-M1297**

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



Synonyms : **Bambermycin, Flavomycin**

Specifications

CAS # : **11015-37-5**
Molecular Formula : **C₆₉H₁₀₇N₄O₃₅P**
Molecular Weight : **1583.6**
Source : ***Streptomyces* sp.**
Appearance : **White solid**
Purity : **>95%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

Moenomycin complex is a mixture of five major components: A, A₁₂, C₁, C₃ and C₄ isolated from several strains of *Streptomyces* in the 1960s. Moenomycins are high molecular weight phosphoglycolipids with potent antibiotic activity used in animal health. Moenomycins are the only antibiotic known to selectively inhibit the transglycosylation step catalyzed by penicillin-binding protein 1b.

References

1. Moenomycin, a new antibiotic. II. Characterization and chemistry. Huber G. et al. Antimicrob. Agents Chemother. 1965, 5, 737.
2. Membrane intermediates in the peptidoglycan metabolism of *Escherichia coli*: Possible roles of PBP 1b and PBP 3. Van Heijenoort Y. et al. J. Bacteriol. 1992, 174, 3549.