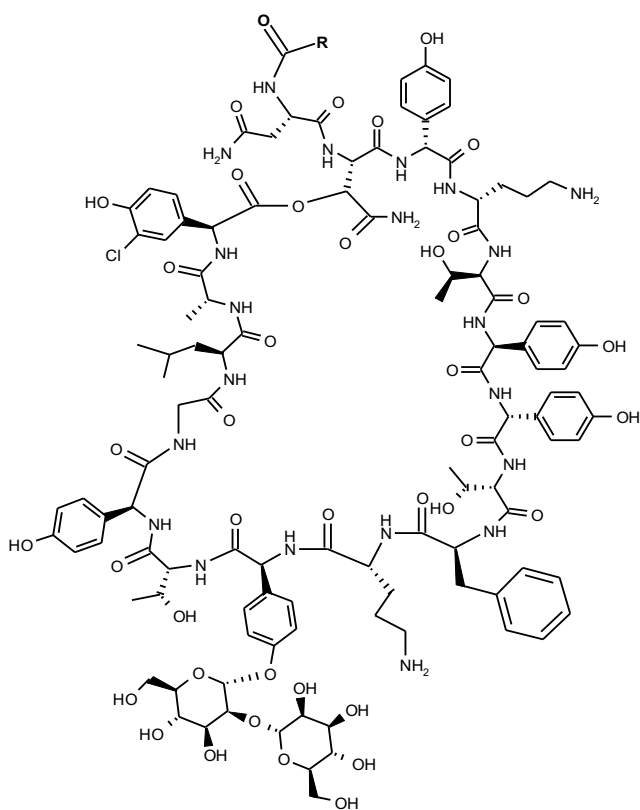


RAMOPLANIN

Code

BCC-001



Price and availability

€ 125 – 100 mg

€ 450 – 500 mg

Synonyms:

633-310-5 (EC Number)

Antibiotic A 16686

Ramoplanin [USAN:INN]

MDL 62,198

A 16686A

A 16686

UNII-0WX9996O2G

0WX9996O2G

NSC 760084

VA11652
Q7289964
Ramoplanin [USAN:INN]

CAS #	76168-82-6
Molecular formula (for A2)	C ₁₁₉ H ₁₅₄ ClN ₂₁ O ₄₀
Molecular weight (for A2)	2554.1
Purity	> 90% ramoplanin complex as free base (w/w), > 80% A2 component by HPLC
Storage	-20°C
Solubility	Soluble in water, ethanol, methanol, DMSO
Product data sheet	https://pubchem.ncbi.nlm.nih.gov/compound/ramoplanin
Application notes	Only for in vitro use
More details under:	https://pubchem.ncbi.nlm.nih.gov/compound/ramoplanin

NOTA: DA VALUTARE SE SIA OPPORTUNO IL LINK A SITO PUBBLICO

General Information, Clinical Indications and Medical Need

Ramoplanin is a glycolipodepsipeptide antibiotic produced from an *Actinoplanes* strain, deposited in the American Type Culture Collection as ATCC 33076. The antibiotic is produced as a complex of three components A1, A2 and A3 of which A2 is the most abundant. In addition, three other minor factors, termed A'1, A'2 and A'3 are present. Ramoplanin is a cyclic peptide formed from sixteen amino acids and a D-mannosyl unit and differs in the nature of the di-unsaturated fatty acid chain (R). The antibiotic is bactericidal for a variety of gram-positive bacteria and it does not show cross resistance with other antibiotics in clinical use. Ramoplanin inhibits cell wall peptidoglycan biosynthesis without affecting other macromolecular syntheses. It is indicated also for the treatment of Clostridium difficile-associated disease (CDAD) where there is a **very high medical need** for more effective therapies.

Contact details: info@BioC-CheMSolutions.com

References



Cavalleri B, Pagani H, Volpe G, Selva E, Parenti F. A-16686, a new antibiotic from Actinoplanes. I. Fermentation, isolation and preliminary physico-chemical characteristics. J Antibiot (Tokyo). 1984 Apr; 37(4):309-17. doi: 10.7164/antibiotics.37.309. PMID: 6547132.