



LKT Laboratories, Inc.

Ramoplanin

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Product Information

Product ID R0351

CAS No. 76168-82-6

Chemical Name

Synonym

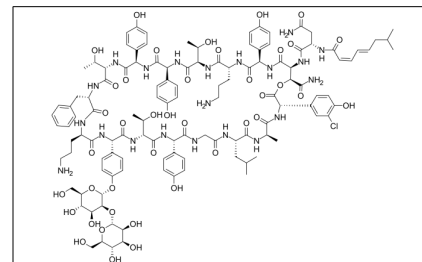
Formula $C_{119}H_{154}ClN_{21}O_{40}$

Formula Wt. 2554.06

Melting Point

Purity $\geq 98\%$

Solubility



Bulk quantities available upon request

Product ID	Size
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R0351	25 mg
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R0351	100 mg
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R0351	250 mg
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Store Temp Ambient

Ship Temp Ambient

Description Ramoplanin is a peptide antibiotic that displays antibacterial activity against aerobic and anaerobic gram positive bacteria such as *Clostridium difficile*. Ramoplanin inhibits bacterial growth by binding lipid II and preventing cell wall peptidoglycan formation.

References Mathur H, O'Connor PM, Hill C, et al. Analysis of anti-Clostridium difficile activity of thuricin CD, vancomycin, metronidazole, ramoplanin, and actagardine, both singly and in paired combinations. Antimicrob Agents Chemother. 2013 Jun;57(6):2882-6. PMID: 23571539.

Fulco P, Wenzel RP. Ramoplanin: a topical lipoglycopeptide antibacterial agent. Expert Rev Anti Infect Ther. 2006 Dec;4(6):939-45. PMID: 17181409.

Farver DK, Hedge DD, Lee SC. Ramoplanin: a lipoglycopeptide antibiotic. Ann Pharmacother. 2005 May;39(5):863-8. PMID: 15784805.

Hu Y, Helm JS, Chen L, et al. Ramoplanin inhibits bacterial transglycosylases by binding as a dimer to lipid II. J Am Chem Soc. 2003 Jul 23;125(29):8736-7. PMID: 12862463.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.