

Loloatin B 10

Cat. No.:	HY-125745
CAS No.:	182422-45-3
Molecular Formula:	C ₆₇ H ₈₅ N ₁₃ O ₁₄
Molecular Weight:	1296.47
Sequence:	Cyclo(Asn-Asp-Trp-Val-{Orn}-Leu-{D-Tyr}-Pro-Phe-{D-Phe})
Sequence Shortening:	Cyclo(NDWW-{Orn}-L-{D-Tyr}-PF-{D-Phe})
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Loloatin B 10 is an antibiotic, which exhibits antibacterial efficacy against gram positive antibiotic resistant human pathogens ^[1] .
In Vitro	Loloatin B 10 exhibits antibacterial efficacy against antibiotic resistant human pathogens methicillin resistant Staphylococcus aureus, Vancomycin (HY-B0671) resistant Enterococcus sp. and penicillin resistant Streptococcus pneumoniae with MICs of 1-2 µg/mL ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gerard JM, et al., Loloatins A-D, cyclic decapeptide antibiotics produced in culture by a tropical marine bacterium. J Nat Prod. 1999 Jan;62(1):80-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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