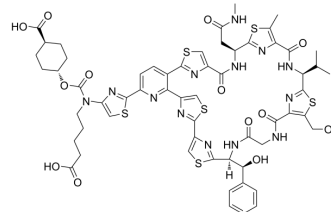


LFF-571

Cat. No.:	HY-19906
CAS No.:	1160959-55-6
Molecular Formula:	C ₆₀ H ₆₃ N ₁₃ O ₁₃ S ₆
Molecular Weight:	1366.61
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LFF-571 is an orally active semisynthetic thiopeptide antibiotic. LFF-571 shows potent activity against a <i>Clostridium difficile</i> and <i>Staphylococcus aureus</i> with MIC values of 0.03 and 0.125 µg/mL, respectively. LFF-571 can be used for the research of infection ^[1] .
In Vitro	LFF-571 (0-32 µg/mL) shows MIC values of 0.06, 0.06, 0.125, 1 and 0.03 µg/mL for <i>E. faecalis</i> , <i>E. faecium</i> , <i>S. aureus</i> , <i>S. pyogenes</i> and <i>C. difficile</i> , respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	LFF-571 (2 and 20 mg/kg; p.o. once daily for 5 days) survives infection hamster ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
Animal Model:	Golden Syrian hamster with <i>C. difficile</i> infection ^[1]
Dosage:	2 and 20 mg/kg
Administration:	Oral gavage; 2 and 20 mg/kg once daily for 5 days
Result:	Showed a dose-dependent effect on survival of infection hamster.

REFERENCES

[1]. LaMarche MJ, et al. Discovery of LFF571: an investigational agent for *Clostridium difficile* infection. *J Med Chem.* 2012 Mar 8;55(5):2376-87.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA