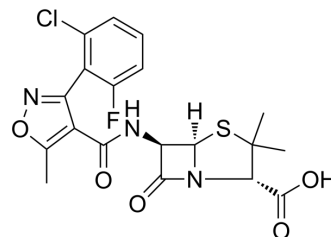


Flucloxacillin

Cat. No.:	HY-A0246
CAS No.:	5250-39-5
Molecular Formula:	C ₁₉ H ₁₇ ClFN ₃ O ₅ S
Molecular Weight:	453.87
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Flucloxacillin is an active antibiotic against gram-positive and gram-negative bacteria ^{[1][2]} .
In Vivo	Flucloxacillin (200 mg/kg; i.p.; three times/day, for 21 days; male Wistar rats) has effective against the most common bacterial strains in periprosthetic infection ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
	Animal Model: Male Wistar rats ^[1]
	Dosage: 200 mg/kg
	Administration: Intraperitoneal injection; three times/day, for 21 days
	Result: Reduced germs in the biofilm and in the bone tissue.

REFERENCES

[1]. Greimel F, et, al. Efficacy of antibiotic treatment of implant-associated *Staphylococcus aureus* infections with moxifloxacin, flucloxacillin, rifampin, and combination therapy: an animal study. *Drug Des Devel Ther.* 2017 Jun 14;11:1729-1736.

[2]. Comber KR, Merrikin DJ, Sutherland R. Antibacterial activity and synergy, in vitro and in vivo, of a combination of amoxicillin and flucloxacillin. *Chemotherapy.* 1979;25(1):30-9.

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