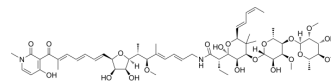


Efrotomycin

Cat. No.:	HY-126569
CAS No.:	56592-32-6
Molecular Formula:	C ₅₉ H ₈₈ N ₂ O ₂₀
Molecular Weight:	1145.33
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Efrotomycin is an orally active antibiotic. Efrotomycin can be isolated from the <i>Streptomyces Lactamdurans</i> . Efrotomycin has insignificant effect on <i>Salmonella typhimurium</i> quantity, duration, shedding rate, and antimicrobial susceptibility in infected pigs ^{[1][2]} .
In Vivo	Efrotomycin (16 mg/kg; p.o., medicated in feed; for 56 d) treats pigs infected with <i>Salmonella typhimurium</i> without affecting the susceptibility of the shed colony to antimicrobial agents after colonization ^[1] . Efrotomycin (16 mg/kg; p.o.; 56 d) results no significant difference in feed consumption, weight gain or feed efficiency in pigs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wax R, et al. Efrotomycin, a new antibiotic from *Streptomyces lactamdurans*. *J Antibiot (Tokyo)*. 1976 Jun;29(6):670-3.

[2]. Jacks TM, et al. Effect of efrotomycin in feed on the quantity, duration, and prevalence of shedding and antibacterial susceptibility of *Salmonella typhimurium* in experimentally infected swine. *Am J Vet Res*. 1988 Nov;49(11):1832-5.

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