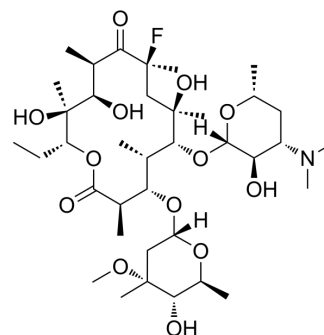


Flurithromycin

Cat. No.:	HY-106959
CAS No.:	82664-20-8
Molecular Formula:	C ₃₇ H ₆₆ FNO ₁₃
Molecular Weight:	751.92
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Flurithromycin ((8S)-8-Fluoroerythromycin A) is an orally active broad spectrum antibiotic. Flurithromycin can be used in the research of bacterial infections ^{[1][2][3]} .
In Vitro	Flurithromycin (72 h) inhibits the growth of <i>H. pylori</i> strains with MIC ₅₀ and MIC ₉₀ values of 0.156 and 0.625 mg/L, respectively ^[1] . Flurithromycin displays antibacterial activity in clinical isolates of respiratory pathogens (MIC: 1.5-6 ng/mL for <i>Streptococcus pneumoniae</i> , 12-400 ng/mL for <i>Haemophilus influenzae</i> , 100 to 3100 ng/mL for <i>Staphylococcus aureus</i>) ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Fera MT, Giannone M, Pallio S, Tortora A, Blandino G, Carbone M. Antimicrobial activity and postantibiotic effect of flurithromycin against *Helicobacter pylori* strains. *Int J Antimicrob Agents*. 2001 Feb;17(2):151-4.
- [2]. Galioto GB, et al. Oral therapy with flurithromycin in ear, nose and throat infections. *Int J Clin Pharmacol Ther*. 1995 Apr;33(4):204-7.
- [3]. Gialdroni Grassi G, et al. In vitro activity of flurithromycin, a novel macrolide antibiotic. *Chemioterapia*. 1986 Jun;5(3):177-84.

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

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