Azithromycin, derived from erythromycin, is an antibiotic. Azithromycin binds to the 50S subunit of the bacterial ribosome, and thus inhibits translation of mRNA. IC50 Value: Target: AntibacterialAzithromycin is one of the world’s best-selling antibiotics. In vitro: The geometric mean 50% inhibitory concentration (IC50) of azithromycin was 2,570.3 (95% CI=2,175.58 to 3,036.58) ng/ml [1]. Azithromycin, clarithromycin and roxithromycin inhibited the proliferation of both the concanavalin A- and superantigen-stimulated PBMCs dose-dependently. The effect of azithromycin was the strongest, with IC50 values of less than 5 ?g/ml [2]. In vivo: Azithromycin produced a slightly higher percentage of patients with a greater than 80% reduction in their inflammatory acne lesions (85.7%) vs. an average of 77.1% for all other agents [3]. Clinical trial:

REFERENCES


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