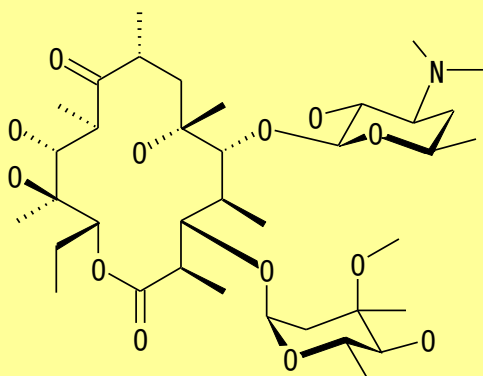


Erythromycin

Cat.# BLK0850

Structure

Origin: *streptomyces erythreus*.

CAS Registry Number: 114-07-8

CA Index Name:

Appearance: white solid

Molecular Formula/ Weight: C₃₇H₆₇NO₁₃=733.9

Melting Point: 190-193°C Purity:>95.0% by ELSD

Solubility: Sol. in 1mg/ml ethanol, methanol, water

pKa:

log P:

Background Information:

Erythromycin, 14 membered ring, was isolated from *streptomyces erythreus* and active against Gram-negative and Gram-positive bacteria. It binds to the 23S RNA of 50S ribosomal subunit and inhibit protein synthesis at the level of transpeptidation.

Handling and Storage:

Store at -20°C.

References:

1. Br Med Bull. 1984 Jan;40(1):47-53.
2. Antimicrob Agents Chemother. 1999 Nov;43(11):2678-84.
3. J Clin Pharmacol. 1999 May;39(5):513-9.
4. Br J Clin Pharmacol. 2005 Aug;60(2):172-5.
5. Pak J Pharm Sci. 2005 Apr;18(2):35-9.