

# Erythromycin

## Product Information

Product Name	Cat#	Specification
Erythromycin	60228ES08	5 g
	60228ES25	25 g

## Product Description

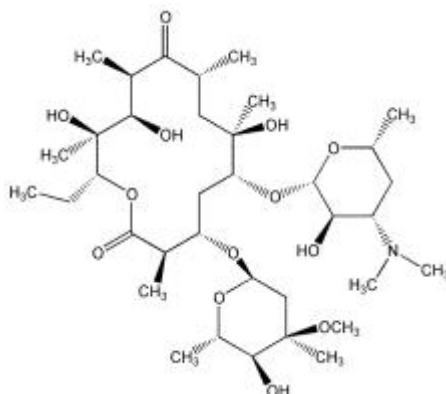
Erythromycin (EM) is a macrolide antibiotic, and its antibacterial spectrum is similar to or slightly wider than penicillin. It can not only inhibit Gram-positive bacteria and Gram-negative bacteria, but also inhibit mycoplasma, chlamydia, Rickettsia, and a few mycobacteria. Its mechanism is that it can penetrate the cell membrane, bind to 23S rRNA of 50s ribosome, interfere with aminoacyl displacement, inhibit peptide extension, and finally block protein synthesis. Erythromycin also has anti-inflammatory and prokinetic properties. Studies have shown that erythromycin can inhibit NF- $\kappa$ , the transcriptional activation of B leads to the inhibition of the expression of cytokines such as IL-8 and IL-6, which is realized by calcineurin independent T lymphocyte signal.

This product is of USP level .

## Product Properties

<b>Synonyms</b>	EM, E-Mycin, Erythrocin
<b>CAS#</b>	114-07-8
<b>Molecular Weight</b>	773.93 g/mol
<b>Molecular Formular</b>	C <sub>37</sub> H <sub>67</sub> NO <sub>13</sub>
<b>Appearance</b>	White or near white crystal or powder
<b>Solubility</b>	Soluble in water, anhydrous methanol, anhydrous ethanol

## Structure



## Shipping and Storage

The product component is shipped with room temperature and can be stored at 2-8°C for 3 years.

## Cautions

- 1) For your safety and health, please wear experimental clothes and disposable gloves.
- 2) This product is only used for scientific research and is not allowed to be used on people.