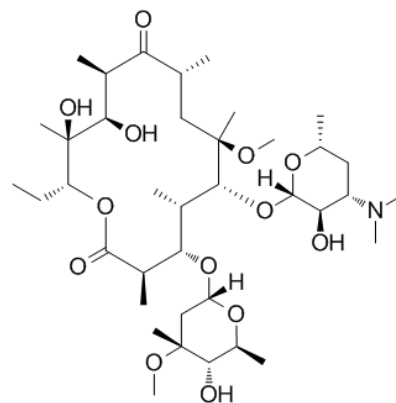


**Product Name** : Clarithromycin  
**Cat. No.** : PC-45312  
**CAS No.** : 81103-11-9  
**Molecular Formula** : C<sub>38</sub>H<sub>69</sub>NO<sub>13</sub>  
**Molecular Weight** : 747.9534  
**Target** : Bacterial  
**Solubility** : DMSO: ≥ 7.4 mg/mL



### Biological Activity

An antibiotic by acting as a protein synthesis inhibitor; binds to 23S rRNA, a component of the 50S subunit of the bacterial ribosome, thus inhibiting the translation of peptides; also attenuates autophagy in cancer cells.

Bacterial Infection

Approved

### References

Komatsu S, et al. Int J Oncol. 2012 Apr;40(4):1029-39.

Nakamura M, et al. Int J Oncol. 2010 Oct;37(4):815-20.

Altman JK, et al. Leuk Lymphoma. 2012 Jul;53(7):1255-6.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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