

[Open Peer Review on Qeios](#)

Clarithromycin

National Cancer Institute

Source

National Cancer Institute. *Clarithromycin*. NCI Thesaurus. Code C1054.

A semisynthetic 14-membered ring macrolide antibiotic. Clarithromycin binds to the 50S ribosomal subunit and inhibits RNA-dependent protein synthesis in susceptible organisms. Clarithromycin has been shown to eradicate gastric MALT (mucosa-associated lymphoid tissue) lymphomas, presumably due to the eradication of tumorigenic *Helicobacter pylori* infection. This agent also acts as a biological response modulator, possibly inhibiting angiogenesis and tumor growth through alterations in growth factor expression. (NCI04)