

[Open Peer Review on Qeios](#)

Oxytetracycline Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Oxytetracycline Hydrochloride*. NCI Thesaurus. Code C47649.

The hydrochloride salt form of oxytetracycline, a tetracycline derivative produced by *Streptomyces rimosus* exhibiting antimicrobial activity. Oxytetracycline hydrochloride interferes with binding of aminoacyl-tRNA to the mRNA-ribosome complex, thereby preventing peptide elongation and inhibiting protein synthesis. It is often used to treat skin conditions.