

[Open Peer Review on Qeios](#)

Ranitidine

National Cancer Institute

Source

National Cancer Institute. *Ranitidine*. NCI Thesaurus. Code C29412.

A member of the class of histamine H2-receptor antagonists with antacid activity.

Ranitidine is a competitive and reversible inhibitor of the action of histamine, released by enterochromaffin-like (ECL) cells, at the histamine H2-receptors on parietal cells in the stomach, thereby inhibiting the normal and meal-stimulated secretion of stomach acid.

In addition, other substances that promote acid secretion have a reduced effect on parietal cells when the H2 receptors are blocked.