

[Open Peer Review on Qeios](#)

Phenyltoloxamine

National Cancer Institute

Source

National Cancer Institute. *Phenyltoloxamine*. NCI Thesaurus. Code C47669.

An ethanolamine derivative with antihistaminic property. Phenyltoloxamine blocks H1 histamine receptors, thereby inhibiting phospholipase A2 and production of endothelium-derived relaxing factor, nitric oxide. Subsequent lack of activation of guanylyl cyclase through nitric oxide results in decreased cyclic GMP levels, thereby inhibiting smooth muscle constriction of various tissues, decreasing capillary permeability and decreasing other histamine-activated allergic reactions.