

[Open Peer Review on Qeios](#)

Phentolamine Mesylate

National Cancer Institute

Source

National Cancer Institute. *Phentolamine Mesylate*. NCI Thesaurus. Code C38691.

The mesylate salt of a synthetic imidazoline with alpha-adrenergic antagonist activity. As a competitive alpha-adrenergic antagonist, phentolamine binds to alpha-1 and alpha-2 receptors, resulting in a decrease in peripheral vascular resistance and vasodilatation. This agent also may block 5-hydroxytryptamine (5-HT) receptors and stimulate release of histamine from mast cells.