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# Omapatrilat

National Cancer Institute

## Source

National Cancer Institute. *Omapatrilat*. NCI Thesaurus. Code C1782.

A vasopeptidase inhibitor with antihypertensive activity. Omapatrilat exerts its effect by inhibiting angiotensin converting enzyme (ACE) and neutral endopeptidase (NEP). ACE inhibition results in inhibition of the renin-angiotensin-aldosterone system thereby leading to the reduction of vasoconstriction. Inhibition of NEP leads to the inhibition of hydrolyzation of a number of endogenous vasoactive peptides, such as bradykinin and substance P and as NEP is the principal enzyme degrading natriuretic peptides, NEP inhibition also results in an increase in natriuretic peptide circulation. Ultimately both effects result in blood vessel relaxation.