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Zofenopril

National Cancer Institute

Source

National Cancer Institute. *Zofenopril*. NCI Thesaurus. Code C82219.

A sulfhydryl angiotensin-converting enzyme (ACE) inhibitor with antihypertensive activity.

As a prodrug, zofenopril is hydrolyzed in vivo into its active form zofenoprilat.

Zofenoprilat competitively binds to and inhibits ACE, thereby blocking the conversion of angiotensin I to angiotensin II. This prevents the potent vasoconstrictive actions of angiotensin II and results in vasodilation. Zofenoprilat also decreases angiotensin II-induced aldosterone secretion by the adrenal cortex, which leads to an increase in sodium excretion and subsequently increases water outflow.