

[Open Peer Review on Qeios](#)

Zofenopril Calcium

National Cancer Institute

Source

National Cancer Institute. *Zofenopril Calcium*. NCI Thesaurus. Code C82220.

The calcium salt of zofenopril, 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.