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Alacepril

National Cancer Institute

Source

National Cancer Institute. *Alacepril*. NCI Thesaurus. Code C75021.

A long-acting, sulfhydryl-containing angiotensin-converting enzyme (ACE) inhibitor with antihypertensive activity. As a prodrug, alacepril is rapidly metabolized to captopril; captopril 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. Captopril also decreases angiotensin II-induced aldosterone secretion by the adrenal cortex, which leads to an increase in sodium excretion and subsequently increases water outflow.