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Trandolapril

National Cancer Institute

Source

National Cancer Institute. *Trandolapril*. NCI Thesaurus. Code C61978.

A non-sulfhydryl angiotensin-converting enzyme (ACE) inhibitor with antihypertensive activity. As a prodrug, trandolapril is converted by de-esterification in the liver into its active form trandolaprilat. Trandolaprilat 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. Trandolaprilat also decreases angiotensin II-induced aldosterone secretion by the adrenal cortex, which leads to an increase in sodium excretion and subsequently increases water outflow.