

[Open Peer Review on Qeios](#)

# Spirapril Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Spirapril Hydrochloride*. NCI Thesaurus. Code C66561.

The hydrochloride salt form of spirapril, a prodrug and non-sulphydryl angiotensin converting enzyme (ACE) inhibitor with antihypertensive activity. Spirapril is converted in the body to its active metabolite spiraprilat. Spiraprilat 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. Spirapril also decreases angiotensin II-induced aldosterone secretion by the adrenal cortex, which leads to an increase in sodium excretion and subsequently increases water outflow.