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Eprosartan

National Cancer Institute

Source

National Cancer Institute. *Eprosartan*. NCI Thesaurus. Code C61749.

A competitive and reversible angiotensin II receptor antagonist with anti-hypertensive property. Eprosartan blocks the binding of angiotensin II to the angiotensin (AT)₁ receptor in vascular smooth muscle, thereby blocking the principal pressor action of angiotensin II on the renin-angiotensin system resulting in vascular dilatation. In addition, this agent blocks angiotensin II -induced stimulation of aldosterone synthesis and secretion by the adrenal cortex, cardiac contraction, renal resorption of sodium, activity of the sympathetic nervous system, and smooth muscle cell growth. Furthermore, eprosartan inhibits sympathetic norepinephrine production, thereby further reducing blood pressure.