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# Olmesartan

National Cancer Institute

## Source

National Cancer Institute. *Olmesartan*. NCI Thesaurus. Code C66253.

A synthetic imidazole derivative and angiotensin II receptor antagonist with antihypertensive activity. Olmesartan selectively binds to the angiotensin type 1 (AT1) receptor subtype in vascular smooth muscle and adrenal gland, thereby competing with angiotensin II for binding to the AT1 receptor. This prevents angiotensin II-induced vasoconstriction and interferes with angiotensin II-mediated aldosterone secretion, thereby decreasing aldosterone production and preventing aldosterone-stimulated sodium retention and potassium excretion.