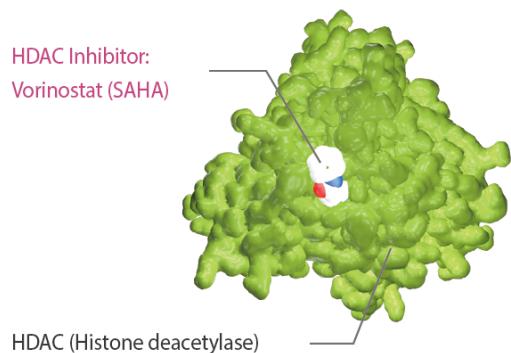


Renin



Renin is a central hormone in the control of blood pressure and various other physiological functions. Renin is a hormone and an enzyme which chops the end off angiotensinogen, a circulating plasma peptide, thus creating the decapeptide, angiotensin I. Angiotensin I is acted on by angiotensin converting enzyme (ACE), which chops another bit off to make the octapeptide, angiotensin II. Angiotensin II acts on the adrenal cortex to stimulate the release of aldosterone and aldosterone stimulates Na^+ retention.

Renin is rate limiting in the production of angiotensin II (Ang II), a hormone that ultimately integrates cardiovascular and renal function in the control of blood pressure as well as salt and volume

homeostasis. For instance, renin seems to be of vast importance for maintaining arterial blood pressure in the face of variations in salt intake: in mice, constant blood pressure is found during alterations in sodium intake, and this relies on controlling the activity of the renin-angiotensin system (RAS).

Renin Inhibitors & Modulators

ACT 178882

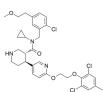
Cat. No.: HY-U00262

Bioactivity: ACT 178882 is a new **Renin** inhibitor with an **IC₅₀** of 1.4 nM.

Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg, 10 mg



Aliskiren D6 Hydrochloride

(CGP-60536 D6 Hydrochloride)

Cat. No.: HY-12176AS

Bioactivity: Aliskiren D6 Hydrochloride is deuterium labeled Aliskiren, which is a direct renin inhibitor with IC₅₀ of 1.5 nM.

Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg



Handle region peptide, rat

Cat. No.: HY-P1572

Bioactivity: Handle region peptide, rat is a **prorenin receptor** antagonist, suppresses the progression of diabetic nephropathy and has anti-inflammatory in the eye.

Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg, 10 mg



VTP-27999 Hydrochloride

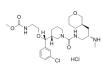
Cat. No.: HY-76652

Bioactivity: VTP-27999 HCl is an alkyl amine Renin inhibitor; VTP-27999 is useful for Hypertension and End-Organ Diseases. IC₅₀ value: Target: Renin

Purity: 98.02%

Clinical Data: Phase 1

Size: 10mM x 1mL in Water, 5 mg, 10 mg, 50 mg, 100 mg



Aliskiren

(CGP 60536; CGP60536B; SPP 100)

Cat. No.: HY-12176

Bioactivity: Aliskiren(CGP 60536) is a direct renin inhibitor with IC₅₀ of 1.5 nM. IC₅₀ value: 1.5 nM [1] Target: renin in vitro:

Aliskiren hemifumarate appears to bind to both the hydrophobic S1/S3-binding pocket and to a large, distinct subpocket that extends from the S3-binding site towards the hydrophobic core...

Purity: 99.57%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg



Aliskiren hemifumarate (CGP 60536 (hemifumarate); CGP60536B (hemifumarate); SPP 100 (hemifumarate))

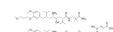
Cat. No.: HY-12177

Bioactivity: Aliskiren hemifumarate(CGP 60536 hemifumarate) is a direct renin inhibitor with IC₅₀ of 1.5 nM. IC₅₀ value: 1.5 nM [1] Target: renin in vitro: Aliskiren hemifumarate appears to bind to both the hydrophobic S1/S3-binding pocket and to a large, distinct subpocket that extends from the S3-binding site...

Purity: 99.47%

Clinical Data: Launched

Size: 10mM x 1mL in Water, 10 mg, 50 mg, 100 mg



VTP-27999

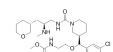
Cat. No.: HY-50768

Bioactivity: VTP-27999 is an alkyl amine Renin inhibitor; VTP-27999 is useful for Hypertension and End-Organ Diseases.

Purity: >98%

Clinical Data: Phase 1

Size: 5 mg, 10 mg, 50 mg, 100 mg



VTP-27999 TFA

Cat. No.: HY-50769

Bioactivity: VTP-27999 TFA is an alkyl amine Renin inhibitor; VTP-27999 TFA is useful for Hypertension and End-Organ Diseases.

Purity: 97.30%

Clinical Data: Phase 1

Size: 10mM x 1mL in Water, 10 mg, 50 mg, 100 mg

