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Inhibitors, Screening Libraries, Proteins

Renin

Renin is a monospecific enzyme that catalyzes the rate-limiting step in the synthesis of angiotensin II. Amplified enzymatic activity and additional physiological effects occur when renin and pro-renin bind to the (pro)renin receptor. The classical site of renin expression and secretion is the renal juxtaglomerular cell, where its expression is tightly regulated by physiological cues.

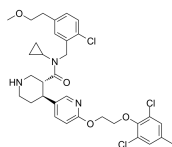
Prorenin and renin bound to the (pro)renin receptor not only increase the catalytic conversion of angiotensinogen to angiotensin I (Ang I), but also upregulate the expression of profibrotic genes. Renin plays a critical role in the regulation of blood pressure, electrolyte homeostasis, mammalian renal development, and progression of fibrotic/hypertrophic diseases. Renin inhibitors represent an alternative to angiotensin-converting enzyme inhibitors (ACEI) for the treatment of hypertension.

Renin Inhibitors & Antagonists

ACT 178882

Cat. No.: HY-U00262

ACT 178882 is a new Renin inhibitor with an IC_{50} of 1.4 nM.



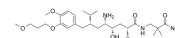
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Aliskiren

(CGP 60536; CGP60536B; SPP 100)

Cat. No.: HY-12176

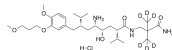
Aliskiren(CGP 60536) is a direct renin inhibitor with IC_{50} of 1.5 nM.



Purity: 99.16%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

Aliskiren D6 Hydrochloride (CGP 60536 D6 Hydrochloride; CGP60536B D6 Hydrochloride; SPP 100 D6 Hydrochloride) Cat. No.: HY-12176AS

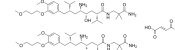
Aliskiren D6 Hydrochloride (CGP 60536 D6 Hydrochloride) is a deuterium labeled Aliskiren, which is a direct renin inhibitor with IC_{50} of 1.5 nM.



Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg

Aliskiren hemifumarate (CGP 60536 hemifumarate; CGP60536B hemifumarate; SPP 100 hemifumarate) Cat. No.: HY-12177

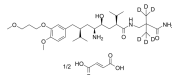
Aliskiren hemifumarate(CGP 60536 hemifumarate) is a direct renin inhibitor with IC_{50} of 1.5 nM.



Purity: 98.98%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

Aliskiren-d6 hemifumarate (CGP 60536 D6 hemifumarate; CGP60536B D6 hemifumarate; SPP 100 D6 hemifumarate) Cat. No.: HY-12177S

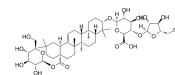
Aliskiren D6 hemifumarate (CGP 60536 D6 hemifumarate) is a deuterium labeled Aliskiren hemifumarate. Aliskiren hemifumarate is a direct and orally active renin inhibitor with an IC_{50} of 1.5 nM.



Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Araloside A (Chikusetsusaponin IV) Cat. No.: HY-N2115

Araloside A (Chikusetsusaponin IV) is a component of Panax japonicus, with low-renin-inhibitory activity, with an IC_{50} of 77.4 μ M.



Purity: 98.31%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 20 mg

Handle region peptide, rat

Cat. No.: HY-P1572

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

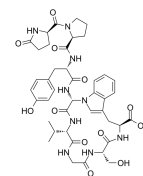
RILLKKMPVS

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Lycium A

Cat. No.: HY-N9528

Lycium A, a cyclic octapeptide, exhibits inhibitory activity on proteases, renin and angiotensin-converting enzyme. Lycium A can be used for the research of hypertension.

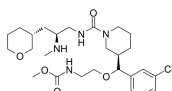


Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 25 mg

VTP-27999

Cat. No.: HY-50768

VTP-27999 is an alkyl amine Renin inhibitor; VTP-27999 is useful for Hypertension and End-Organ Diseases. IC_{50} value: Target: Renin.

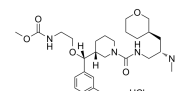


Purity: >98%
Clinical Data: Phase 1
Size: 1 mg, 5 mg

VTP-27999 Hydrochloride

Cat. No.: HY-76652

VTP-27999 Hcl is an alkyl amine Renin inhibitor; VTP-27999 is useful for Hypertension and End-Organ Diseases. IC_{50} value: Target: Renin.



Purity: 98.10%
Clinical Data: Phase 1
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

