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Urotensin Receptor

UT receptor

Urotensin receptor (UT) is a G-protein coupled receptor which binds the peptide hormone urotensin. The urotensin-II (UT) receptor is a Gq/11-protein-coupled receptor that mediates complex hemodynamic effects and influences neuromuscular physiology. The UT receptor displays greatest expression levels in the peripheral vasculature, heart and kidney, although they are found elsewhere, notably the central nervous system, at lower levels. The UT receptor produces potent but variable vasoconstrictor effects in some vascular beds, yet mediates vasodilation in others; it has also been implicated in osmoregulation.

Urotensin Receptor Agonists, Antagonists & Activators

<p>Palosuran (ACT-058362)</p> <p>Palosuran (ACT-058362) is a potent, selective, and orally active antagonist of urotensin II receptor, with an IC_{50} of 3.6 nM for CHO cell membranes expressing human recombinant receptors. Palosuran can improve pancreatic and renal function in diabetic rats.</p> <p>Purity: 99.33% Clinical Data: No Development Reported Size: 5 mg, 10 mg, 50 mg, 100 mg</p>	<p>Palosuran hydrochloride (ACT-058362 hydrochloride)</p> <p>Palosuran hydrochloride (ACT-058362 hydrochloride) is a potent, selective, and orally active antagonist of urotensin II receptor, with an IC_{50} of 3.6 nM for CHO cell membranes expressing human recombinant receptors.</p> <p>Purity: 98.67% Clinical Data: No Development Reported Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg</p>
<p>SB-611812</p> <p>SB-611812 is a urotensin II receptor (UTR) antagonist with the potential in the treatment of cardiovascular disease.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p>	<p>SB-657510</p> <p>SB-657510 is a selective urotensin II (UII) receptor (UT) antagonist. The K_i values are 61, 17, 30, 65 and 56 nM for human, monkey, cat, rat and mouse receptors, respectively.</p> <p>Purity: 99.84% Clinical Data: No Development Reported Size: 10 mM × 1 mL, 1 mg, 5 mg, 10 mg</p>
<p>UFP-803</p> <p>UFP-803 is a potent urotensin-II receptor (UT) ligand. UFP-803 has lower residual agonist activity, so it may be an important tool for the investigations on the role played by the UT system in physiology and pathology.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p>	<p>UFP-803 TFA</p> <p>UFP-803 TFA is a potent urotensin-II receptor (UT) ligand. UFP-803 TFA has lower residual agonist activity, so it may be an important tool for the investigations on the role played by the UT system in physiology and pathology.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p>
<p>Urotensin II (114-124), human</p> <p>Urotensin II (114-124), human, an 11-amino acid residue peptide, is a potent vasoconstrictor and agonist for the orphan receptor GPR14.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p>	<p>Urotensin II (114-124), human TFA</p> <p>Urotensin II (114-124), human TFA, an 11-amino acid residue peptide, is a potent vasoconstrictor and agonist for the orphan receptor GPR14.</p> <p>Purity: 99.76% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p>
<p>Urotensin II, mouse</p> <p>Urotensin II, mouse is an endogenous ligand for the orphan G-protein-coupled receptor GPR14 or SENR. Urotensin II, mouse is a potent vasoconstrictor. Urotensin II, mouse plays a physiological role in the central nervous system.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg, 10 mg</p>	<p>Urotensin II, mouse acetate</p> <p>Urotensin II, mouse acetate is an endogenous ligand for the orphan G-protein-coupled receptor GPR14 or SENR. Urotensin II, mouse acetate is a potent vasoconstrictor. Urotensin II, mouse acetate plays a physiological role in the central nervous system.</p> <p>Purity: 99.65% Clinical Data: No Development Reported Size: 1 mg, 5 mg, 10 mg</p>

Urotensin II, mouse TFA

Cat. No.: HY-P1483A

Urotensin II, mouse TFA is an endogenous ligand for the orphan G-protein-coupled receptor **GPR14** or **SENr**. Urotensin II, mouse TFA is a potent vasoconstrictor. Urotensin II, mouse TFA plays a physiological role in the central nervous system.

[pGlu]HGAAPECFWKYCI (Disulfide bridge: Cys⁶-Cys¹¹) (TFA salt)

Purity: 99.58%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

[Orn5]-URP

Cat. No.: HY-P1167

[Orn5]-URP is a potent and selective pure antagonist of **Urotensin-II receptor (UT)**, with an **pEC₅₀** of 7.24. [Orn5]-URP displays no agonist activity.

ACFW-(Orn)-YCV (Disulfide bridge: Cys²-Cys⁷)

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

[Orn5]-URP TFA

Cat. No.: HY-P1167A

[Orn5]-URP TFA is a potent and selective pure antagonist of **Urotensin-II receptor (UT)**, with an **pEC₅₀** of 7.24. [Orn5]-URP TFA displays no agonist activity.

ACFW-(Orn)-YCV (Disulfide bridge: Cys²-Cys⁷) (TFA salt)

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