

# Our Generic Peptide APIs

---

## Atosiban

deamino-Cys(1)-D-Tyr(Et)-Ile-Thr-Asn-Cys(1)-Pro-Orn-Gly-NH<sub>2</sub>; (Mpa(1),D-Tyr(Et)<sub>2</sub>,Thr(4),Orn(8))oxytocin

### Mode of Action

inhibitor of the hormones oxytocin and vasopressin.

### Clinical Use

Used as an intravenous medication as a tocolytic to halt premature labor.

---

## Cetrorelix

Ac-D-2Nal-D-Phe(4-Cl)-D-3Pal-Ser-Tyr-D-Cit-Leu-Arg-Pro-D-Ala-NH<sub>2</sub>

### Mode of Action

gonadotropin-releasing hormone (GnRH) antagonist.

### Clinical Use

Used as a subcutaneous injection in assisted reproduction to inhibit premature LH surges.

---

## Bivalirudin

D-Phe-Pro-Arg-Pro-Gly-Gly-Gly-Gly-Asn-Gly-Asp-Phe-Glu-Glu-Ile-Pro-Glu-Glu-Tyr-Leu

### Mode of Action

Thrombin inhibitor. Inhibition of both circulating and clot-bound thrombin, while also inhibiting thrombin-mediated platelet activation and aggregation.

### Clinical Use

Used for the treatment of heparin-induced thrombocytopenia and for the prevention of thrombosis.

---

## Liraglutide

H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(1)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH.palmitoyl-Glu(1)-OH

### Mode of Action

Human glucagon-like peptide 1 (GLP-1) analog acting as a GLP-1 receptor agonist.

### Clinical Use

Used for the treatment of diabetes mellitus type 2 and obesity.

# Our Generic Peptide APIs

## Teriparatide

H-Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asn-Leu-Gly-Lys-His-Leu-Asn-Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asn-Phe-OH

### Mode of Action

Parathyroid hormone analog consisting in the bioactive portion of the hormone.

### Clinical Use

Effective anabolic (promoting bone formation) agent used in the treatment of osteoporosis.

---

## Semaglutide

H-His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(C18diacid- $\gamma$ -Glu-OEG-OEG)]-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH

### Mode of Action

Human glucagon-like peptide 1 (GLP-1) analog acting as a GLP-1 receptor agonist.

### Clinical Use

Used for the treatment of diabetes mellitus type 2.

---

## Elcatonin

H-DL-Ser(1)-DL-Asn-DL-Leu-DL-Ser-DL-xiThr-DL-Asu(1)-DL-Val-DL-Leu-Gly-DL-Lys-DL-Leu-DL-Ser-DL-Gln-DL-Glu-DL-Leu-DL-His-DL-Lys-DL-Leu-DL-Gln-DL-xiThr-DL-Tyr-DL-Pro-DL-Arg-DL-xiThr-DL-Asp-DL-Val-Gly-DL-Ala-Gly-DL-xiThr-DL-Pro-NH<sub>2</sub>

### Mode of Action

Calcitonin derivative.

### Clinical Use

Used as an anti-parathyroid agent for remitting or eliminating pain caused by osteoporosis.

---

## Angiotensin II

H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-OH

### Mode of Action

Synthetic form of angiotensin II. Angiotensin type 1 receptor agonists.

### Clinical Use

Angiotensin II is a vasoconstrictor indicated for increasing blood pressure in adults with septic or other distributive shock.

# Our Generic Peptide APIs

## Tirzepatide

Y-{Aib}-EGTFTSDYSI-{Aib}-LDKIAQ-{diacid-gamma-Glu-(AEEA)2-Lys}-  
AFVQWLIAGGPSSGAPPPS-NH<sub>2</sub>

### Mode of Action

dual glucose-dependent insulinotropic polypeptide (GIP) and glucagon-like peptide-1 (GLP-1) receptor agonist.

### Clinical Use

Used for the treatment of diabetes mellitus type 2.