



98% Muscle Growth Polypeptide Mammalian Hormones Oxytocin powder CAS 50-56-6

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-Oxytocin
- Minimum Order Quantity: 5box
- Price: US \$ 32-38/ box
- Packaging Details: 2mg/vial, 10vials/box
- Delivery Time: 3-5 work days after your payment
- Payment Terms: , Western Union, T/T
- Supply Ability: 3000kg/Month



Product Specification

- Name: Oxytocin
- CAS No.: 50-56-6
- MF: C43H66N12O12S2
- MW: 1007.193
- Appearance: White Lyophilized Powder
- Purity: 98%
- Storage: Closed, Below 2 ~ 8 Preservation



More Images



Product Description

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Basic Information Form of Oxytocin

Name	Oxytocin
CAS NO.	50-56-6
MW	1007.193
MF	C43H66N12O12S2
Appearance	White Lyophilized Powder
Purity	98%
Stability	2 years

What is oxytocin?

Oxytocin is a hormone that is made in the brain, in the hypothalamus, and it is transported to, and secreted by, the pituitary gland, which is located at the base of the brain.

Chemically it is known as a nonapeptide (a peptide containing nine amino acids), and biologically, as a neuropeptide. It acts both as a hormone and as a brain neurotransmitter.

In both men and women, sexual intercourse stimulates the release of oxytocin, which has a role in erection and orgasm. The reason for this is not fully understood, although in women, it has been proposed that the increased uterine motility may help sperm to reach their destination.

The research to uncover oxytocin's "anxiolytic and pro-social influences, beneficial to relief, reproduction, and love" is what has led scientists to describe it as a one of the "most promising neuromodulator/ neurotransmitter systems of the brain for psychotherapeutic intervention and treatment of numerous psychiatric illnesses, for example social phobia, autism, and postpartum depression.

Oxytocin (Oxt) is a mammalian neurohypophysial hormone. Produced by the hypothalamus and stored and secreted by the posterior pituitary gland, oxytocin acts primarily as a neuromodulator in the brain.

Oxytocin plays an important role in the neuroanatomy of intimacy, specifically in sexual reproduction of both sexes, in particular during and after childbirth; its name, meaning "swift childbirth", comes from Greek, oksys "swift" and , tokos "birth." It is released in large amounts after distension of the cervix and uterus during labor, facilitating birth, maternal bonding, and, after stimulation of the nipples, lactation. Both childbirth and milk ejection result from positive feedback mechanisms.

Product Image of Oxytocin



Applications Of Oxytocin

Oxytocin is a neurohypophysial mammalian hormone that primarily acts as a neuromodulator in your brain. It is a generic medication that induces labor in females with Rh problems preeclampsia, diabetes or in the fetus or the mother best interest. As a medication, it is used to cause contraction of the uterus in order to start labor or increase the speed of labor, and to stop bleeding following delivery. For this purpose, it is given either by injection into a muscle or into a vein. Oxytocin is normally produced in the hypothalamus. It plays a role in social bonding, sexual reproduction in both sexes and during or after childbirth. Oxytocin is released into the bloodstream as a hormone in response to stretching of the cervix and uterus during labor and with stimulation of the nipples from breastfeeding. It helps with birth, bonding with the baby and milk production.

Function Of Oxytocin

What does oxytocin do?

The answer depends on whether the individual is male or female.

In women, oxytocin is responsible for signal contraction in the uterus during labor. Hormones stimulate the uterine muscle contraction, so the labor begins. This also increases the production of prostaglandins, which makes the labor force gradually increased and increases the contraction.

Because of this effect, if women can not start naturally, sometimes the use of synthetic oxytocin to induce women to start work, or if women's labor force slows down, can give stronger women.

Once the baby is born, oxytocin promotes breastfeeding by moving the milk into the breast. When the baby sucks the mother's breast, the oxytocin secretion causes the milk to release, so the baby can feed. At the same time, oxytocin is released into the brain to stimulate the further production of oxytocin. Once the baby stops feeding, the hormone production stops until the next feeding.

For men, oxytocin is less important, but it does work in moving sperm. It also appears to affect testosterone production in the testes.

Recent oxytocin studies have found that it is an important chemical messenger that controls some human behavior and social interaction. It is oxytocin that triggers the connection between the mother and the baby, and may also play a role in recognition, sexual arousal, trust and anxiety. Some studies have shown that hormones may also affect addiction and stress.

Package and Shipping of Oxytocin

Package: 2mg/vial, 10vials/box

Shipping: With 3-5 days after your payment



FAQ of Oxytocin

Q1: Do you Accept Sample Order?

A: Yes. The smallest order we accept is one box.

Q2: Do you accept VISA business credit card?

A: Yes. VISA business credit card is in our payment.

Q3: How long does it take to me if I order?

A: About 3-5 days upon receipt of payment.

Q4: Is there any discount?

A: Yes, if you want to purchase larger quantity, we can offer a better price for you.

Q5: What kind of transportation do you have?

A: We have many ways of transportations, eg: Air, Sea, Special Lines, TNT, FEDEX, EMS, ect.



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