CAS 1169766-01-1 Activin Receptor Type IIb Ace 031 Peptide For Muscle Mass

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-ACE-031
- Minimum Order Quantity: 5boxes
- Price: negotiable
- Packaging Details: 1mg/vial, 10vials/box
- Delivery Time: 3-5 work days after your payment
- Payment Terms: , Western Union, T/T
- Supply Ability: 20,000 boxes/month



Product Specification

- Name: CAS 1169766-01-1 Activin Receptor Type IIb Ace 031 Peptide For Muscle Mass
- Purity: 99%
- Appearance: White Crystalline Solid
- Unit Size: 1mg/vial
- Shelf Life: 2 Years
- Scientific Name: (Activin Type 2B) – ACE-031
- Storage: Long Term Storage Should Be Frozen
- CAS NO: 1169766-01-1
- Ingredients: ACE-031 1mg Filled With Inert Gas Or In A Vacuum
- Unit Quantity: 1vial



More Images







for more products please visit us on peptide-powder.com

Our Product Introduction

for more products please visit us on peptide-powder.com

Product Description

CAS 1169766-01-1 Activin Receptor Type IIb Ace 031 Peptide For Muscle Mass



Description of ace-031

ACE-031 is a synthetic version of transmembrane protein receptor ACVR2B (activin receptor type IIB). ACE-031 is a strong myostatin inhibitor: It binds with high affinity to myostatin (GDF-8), thus preventing myostatin from binding and activating its natural ACVR2B receptor and suppressing muscle growth (preventing myostatin from delivering the muscle growth-limiting signal). In this way, ACE-031 significantly helps in the development and maintenance of muscles. Due to this property and ability, ACE-031 can help patients with a symptom of neuromuscular diseases (muscle weakness and worsening).

Research shows it to be useful in stabilizing muscle mass and strength in both primary muscle-wasting disorders and neuromuscular conditions.

MYOSTATIN (GDF-8)

Myostatin (GDF-8) is a myokine, released by myocytes, it is a member of the TGF beta protein family. Myostatin (GDF-8) acts on muscle cells' autocrine function to inhibit muscle cell growth and differentiation. In humans, it is encoded by the MSTN gene, and the MSTN gene is located on the long (q) arm of chromosome 2 at position 32.2. Human Myostatin with a total molecular weight is 25.0 kDa consists of 2 identical subunits, each consisting of 109 amino acid residues.

Basic Information Form of ACE-031 1mg

Peptide Name	ACE-031
Appearance	White Crystalline Solid
Purity	99%
Alias	ACVR2B
Specifications	1mg/vial, 10vials/box
Stability	2 years

ACE 031 and energy metabolism studies

According to recent studies in rodent models, myostatin may have a detrimental effect on muscle energy metabolism.
In other words, too much myostatin can lead to severe muscle failure. When the action of the natural form of ACE 031 is blocked, it leads to severe metabolic damage and elevated serum lactate levels in mouse muscles. In addition, it leads to a reduction in the number of blood vessels supplying muscle tissue.

This suggests that ACE 031 not only has the potential to promote muscle growth by inhibiting actin but also has the potential to increase the oxidative capacity of muscle, thereby preventing fatigue and the harmful consequences of free radical production.

Decreased ActRIIB signaling leads to muscle growth

In nature, this effect has been observed in many species, particularly in animals that have been bred for increased muscle and strength. For example, Belgian blue cattle lack the gene for GDF-8, one of several molecules that activate the ActRIIB receptor. The deficiency of this protein leads to the tremendous development of muscle tissue and strength in cattle. Similar effects have been observed in other species, including rodents, dogs, and even humans.

Treatment with ACE-031 strengthens skeletal muscles

ACE-031 treatment promotes muscle growth by inhibiting ActRIIB signaling. ACE-031 binds to proteins that signal through the ActRIIB receptor to restrict muscle growth. When ACE-031 binds to these proteins, it prevents them from interacting with the ActRIIB receptor, thus allowing muscle growth. In addition, because ACE-031 prevents GDF-8 and other proteins that regulate muscle mass from signaling through the ActRIIB receptor, it has a greater effect on lean muscle than those of GDF-8 (actin) inhibitors alone.

Scientifically investigated, the possible benefits of ACE-031

ACE 031 can help patients with symptoms of neuromuscular disease and is a promising treatment for Duchenne muscular dystrophy
ACE 031 greatly aids in muscle development and maintenance
ACE 031 has powerful anabolic and anti-catabolic effects to prevent muscle loss

ACE 031 reduces excess body fat

Possible side effects of ace-031

In clinical trials, some participants observed these side effects during treatment with ACE-031:
Pain or irritation at the injection site
Bleeding from the nose
Bleeding from the gums
Extensive distribution of blood vessels
Increased body temperature
However, most of these side effects have completely disappeared after stopping the treatment and ACE-031 use. Between the lines: It has been proven that the muscles are growing not only rapidly, but also the blood vessels.

Product Image of Peptide ACE-031 1MG:



Shaanxi Hongbaiyi Biotech Co., Ltd.

18192109180 tracy@sxhongbaiyi.com peptide-powder.com

Hengjia Business Building, No.115 Weiyang Road, E&T Development Zone, Xi'an, Shaanxi, China.