



99% Human Growth Peptides (ACVR2B) ACE-031 White Powder CAS 1169766-01-1

Our Product Introduction

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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: MoneyGram, Western Union, T/T
- Supply Ability: 20,000 boxes/month

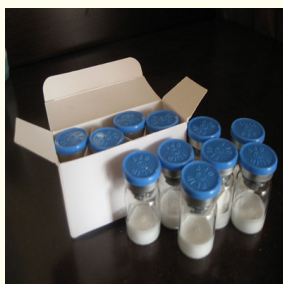


Product Specification

- Name: ACE-031
- Purity: 99%
- Appearance: White Crystalline Solid
- MG Strength: 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



More Images



Product Description

What is 99% Human Growth Peptides (ACVR2B) ACE-031 White Powder CAS 1169766-01-1?

ACE 031 is a potent myostatin inhibitor that has a high affinity for myostatin (GDF-8), thereby preventing myostatin from binding and activating its natural ACVR2B receptor responsible for inhibiting muscle growth (preventing myostatin from transmitting signals that limit muscle growth). In this way, ACE 031 has the potential to greatly aid muscle development and maintenance as well as maximize skeletal muscle hypertrophy. Because of this property and ability, ACE 031 research shows great promise for patients with symptoms of neuromuscular disease.

As mentioned above, myostatin has been reported to bind to and inhibit the action of ACE 031, a soluble activin type IIB receptor. Muscle cells produce a protein called myostatin, which prevents skeletal muscle growth and hyperplasia. In addition, ACE 031 is likely to have an effect on sperm health, fat storage, and bone metabolism.

Research on ACE 031

Studies on the effects of ACE 031 on muscle protection during menopause

In a limited clinical trial, ACE 031 was evaluated to see if it could support the maintenance of muscle mass in healthy postmenopausal women. Maintaining muscle is essential in order to maintain long-term bone health.

In a brief placebo-controlled trial, ACE 031 significantly increased lean body mass and muscle volume in the thighs after only one dose. This study is particularly intriguing because it reveals a secondary, unexpected result. Participants in the trial who received ACE 031 showed improvements in serum indicators of both fat and bone metabolism. This suggests that ACE 031, in addition to being primarily associated with muscle growth, may also limit fat storage and increase bone development.

Basic Information Form of ACE-031 1mg

Peptide Name	ACE-031 1mg
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.

Product Image of Peptide ACE-031 1MG:



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