



Research Grade CAS 2883634-40-8 Eloralintide 10mg/Vial With 99% Purity

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-Eloralintide
- Minimum Order Quantity: 5 boxes
- Price: Negotiable
- Packaging Details: 10 mg, 50 mg, or as specified by the customer.
- Delivery Time: Within 3-5 business days following payment confirmation.
- Payment Terms: T/T
- Supply Ability: 20,000 boxes/month



Product Specification

- Name: Eloralintide 10mg
- CAS: 2883634-40-8
- Mf: $C_{20}H_{31}N_4O_6S_2$
- Mw: ~4526.1
- Appearance: White Lyophilized Powder
- Specification: 10mg/vial
- Store At: -20°C
- Assay: 99% Pure



More Images



Product Description

What is Eloralintide (LY3841136)?

Eloralintide (also known as LY3841136 or AMY76) is a synthetic, long-acting peptide developed as a selective amylin receptor agonist. Amylin is a peptide hormone co-secreted with insulin by pancreatic beta cells; it plays a role in regulating various metabolic processes, including satiety signaling, gastric emptying, food intake, and energy balance. The amylin system is garnering increasing attention in the field of metabolic peptide research because it operates via a biological axis distinct from that of classical incretin receptors.

This molecule has been evaluated in preclinical studies, early-stage clinical trials, and a randomized, controlled Phase II study. Published data characterize Eloralintide as an experimental compound designed for periodic administration; it possesses long-acting properties and has attracted significant interest for its potential in controlling caloric intake and regulating fat mass. The information above must be interpreted solely within the context of scientific research and should not be construed as an indication for therapeutic, clinical, or practical application.

Key Technical Features

Exceptional Purity: Tested via high-performance liquid chromatography (HPLC) and mass spectrometry (MS), purity is confirmed to be greater than 99%.

Advanced Freeze-Drying Technology: Our proprietary custom freeze-drying process extends the powder's shelf life and enhances its solubility and thermal stability during shipping.

Strict Batch Quality Control: Free of heavy metals, residual solvents, or unwanted byproduct impurities.

Wide Range of Applications: Ideal for molecular biology research, receptor binding assays, and customized cellular research workflows.

Technical Specifications

Property	Value
Name	Eloralintide; selective amylin receptor agonist
Material category	Synthetic lipidated amylin-analogue research peptide
Physical form	Lyophilised powder in a sealed glass vial
Specs	5mg, 10mg or as specified by the customer.
Purity	99%
Batch	EL8228CP
Storage	Store lyophilised material cold and protected from light

Mechanism of Action and Amylin Receptors

The primary scientific characteristic of eloralintide lies in its activity as a selective amylin receptor agonist. The amylin receptor is a complex formed by the calcitonin receptor and an auxiliary protein known as RAMP (Receptor Activity-Modifying Protein). This characteristic is crucial because it allows for a more targeted investigation of the amylin pathway's effects while minimizing interference from off-target receptor pathways. Receptor selectivity is one of the features that distinguishes Eloralintide from other amylin analogs with lower specificity, making it highly valuable in research models where it is necessary to differentiate between amylin agonist activity and calcitonin activity.

Eloralintide's long-acting design is another notable feature. Compared to molecules with shorter half-lives, this extended-duration peptide enables more stable and sustained medication exposure. This characteristic is highly useful in pharmacokinetic and pharmacodynamic studies, particularly when examining the relationships between receptor activation, feeding responses, body composition, and progressive metabolic adaptations.

Eloralintide and Metabolic Research

Research on Eloralintide (LYs841136) has primarily focused on the regulation of energy metabolism, satiety, and body composition. In preclinical models, activation of the amylin receptor has been associated with reduced food intake and changes in fat mass. While these data do not represent clinical indications, they provide an experimental model for understanding how amylin signaling contributes to the regulation of energy homeostasis.

Eloralintide has the potential to serve as a comparative tool for studying different metabolic pathways... This distinction enables researchers to investigate whether selective modulation of amylin produces distinct or complementary biological effects compared to the GLP-1 and GIP pathways. Although amylin agonists primarily act on intestinal and pancreatic receptors associated with the nutritional response, their mechanism of action also involves central satiety neural circuits.



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