cas 107761-42-2 Amyloid β-Peptide (1-42) (human) β-Amyloid-42 β-amyloid polypeptide 42

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-CAS 23513-14-6
- Minimum Order Quantity: 1KG
- Packaging Details: 1kg, 5kg, 15kg, 20kg, 25kg can be packed in different specifications. Packaging can be customized according to customer requirements. Aluminium foil bag and carton.
- Delivery Time: 7-15 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T

Product Specification

- Product Name: (+)-[6]-Gingerol
- Shelf Life: 2 Years
- CAS NO: 23513-14-6
- Purity: 99%

Product Description

Product Description

Product Name:	Amyloid β-Peptide (1-42) (human)
Synonyms:	Bate-Amyloid(1-42)human; (1-42) (human);AB42, betaamyloid peptide;Amyloid βH-Asp-Ala-Glu-Phe-Gly-His-Asp-Ser-Gly-Phe-Glu-Val-Arg-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala-OH;REF DUPL: H-Asp-Ala-Glu-Phe-Gly-His-Asp-Ser-Gly-Phe-Glu-Val-Arg-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-Ser-Asn-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Ile-Ala-OH;Beta-Amyloid (1-42), sodium salt;B-AMYLOID PEPTIDE (1-42), RAT
CAS:	107761-42-2
MF:	C203H311N55O60S1
MW:	4514.04
storage temp.	-20°C
solubility	Soluble in ammonium hydroxide, pH >9. Also soluble in DMSO.
form	Lyophilized
color	Lyophilized White

Description

CAS number 107761-42-2 corresponds to the compound Amyloid β-Peptide (1-42) (human). It is a peptide fragment derived from the amyloid precursor protein (APP) and is associated with the formation of amyloid plaques in the brains of individuals with Alzheimer's disease.
The amyloid β-peptide (Aβ) is a protein fragment consisting of amino acids 1 to 42 of the full-length amyloid β-peptide sequence. It is generated through the sequential cleavage of APP by enzymes called β-secretase and γ-secretase. In Alzheimer's disease, abnormal processing of APP leads to the accumulation and aggregation of Aβ peptides, leading to the formation of insoluble amyloid plaques in the brain.
Amyloid β-Peptide (1-42) is considered to be particularly relevant in Alzheimer's disease because it has a high propensity to aggregate and form toxic oligomers and fibrils. These aggregates are believed to play a crucial role in the neurodegenerative processes associated with the disease, including the formation of neurofibrillary tangles and neuronal damage.

Application

Here are some of its notable applications:
Disease Mechanism Studies: Amyloid β-Peptide (1-42) is extensively used in laboratory research to study the underlying mechanisms of Alzheimer's disease. Researchers investigate its role in the formation of amyloid plaques, aggregation processes, and the toxicity of amyloid β-peptides. This helps in understanding the pathology of the disease and identifying potential therapeutic targets.
Drug Development and Screening: Amyloid β-Peptide (1-42) serves as a valuable tool in the development and screening of potential drugs for Alzheimer's disease. Researchers utilize it to assess the efficacy of compounds that target amyloid β-peptide aggregation, clearance mechanisms, or related pathways. It aids in the identification and evaluation of novel drug candidates.
Biomarker Studies: As a key component of amyloid plaques in Alzheimer's disease, Amyloid β-Peptide (1-42) is investigated as a potential biomarker. Researchers explore its levels in cerebrospinal fluid (CSF) and blood samples to assess its diagnostic and prognostic value in identifying individuals at risk of developing Alzheimer's disease or monitoring disease progression.
Development of Therapeutic Strategies: Amyloid β-Peptide (1-42) research contributes to the development of therapeutic strategies aimed at preventing or reducing amyloid plaque formation and associated neurodegeneration. It helps in understanding the mechanisms through which amyloid β-peptides contribute to neuronal toxicity and guides the design of interventions to mitigate their effects.

FAQ

How do I make a purchase?

We advise that you speak with our customer support personnel before placing an order because the market price of chemical raw materials fluctuates often
1. Please let me know which products you require and how many of each you need.

2. We will provide you with the best pricing right away, including delivery charges.

3. If the price seems reasonable to you, you can select a payment option to complete the transaction.

4. After we confirm your payment, your shipment will be wrapped and dispatched within 24 hours.
5. Two days after the package is sent out, a tracking number and packing photo will be provided.
6. We wish you a wonderful shopping experience and encourage you to get in touch with us if there are any problems.

Which delivery alternatives are available?
All Fushikai orders are shipped from Japan using FEDEX, UPS, DHL, Airmail, Surface Mail, EMS (Japan Post),

and Economical Air (SAL). Depending on the various nations, we will select the best choice. Once payment has been received, the approximate delivery time is 5-7 working days.

How are your products verified?
We use our own quality control team to inspect each batch of products. Only at least 98% of pharmaceutical raw materials are used in the synthesis process, rather than cheap sources that are replicated using discarded chemical ingredients. Multiple tests are conducted using cutting-edge equipment to ensure perfect accuracy in determining the potency, purity and quality of ingredients and finished products.

Does a discount apply to large orders?
After your order reaches a particular value, there is a large discount. Several seasonal sales and promotions are available from us.

What forms of payment do you accept?
We accept payments with Western Union, Bitcoin, e-transfers, bank transfers, MoneyGram, and Alipay in addition to all other forms of cryptocurrency.

Do you deliver to parcel lockers at PO boxes?
YES, we could deliver to parcel lockers at PO boxes!

Can I get a tracking number from you?
We will provide you the tracking number and some images of the items you ordered as soon as the shipment is planned. For the most up-to-date tracking updates, please go to our preferred site.

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