



mw 5358.05 Synthetic Peptide Foxo4 dri Peptide CAS 2460055-10-9 For Sale

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-FOXO4-DRI
- Minimum Order Quantity: 5 boxes
- Price: negotiable
- Packaging Details: 10mg/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

- Item: Foxo4 Dri Peptide Buy
- CAS No.: 910463-68-2
- Molecular Formula: C228H388N86O64
- Molecular Weight: 5358.05
- Storage Temp: FOXO4-D-Retro-Inverso Peptide, FOXO4-DRI Peptide, FOXO4-DRI Inhibitor FOXO4-p53 Disrupting Peptide, Senolytic FOXO4-DRI
- Specification: 10mg/vials, 10vails /box
- Peptide Type: Synthetic Peptide



More Images



Product Description



What is FOXO4-DRI?

FOXO4-DRI is a synthetic peptide designed to interfere with the interaction between the transcription factor FOXO4 and the protein p53. Cellular senescence is a state in which cells stop dividing and secrete inflammatory factors that can lead to aging and age-related diseases.

FOXO4-DRI is a promising therapeutic peptide that targets the interaction between FOXO4 and p53 in senescent cells, inducing apoptosis and potentially attenuating senescence-related decline and disease. Development and research of this drug are ongoing to translate these findings into clinical applications for improved health and longevity.

Interaction between FOXO4 and p53: FOXO4 is a transcription factor that plays a role in cell survival, oxidative stress response, and longevity. In senescent cells, FOXO4 interacts with p53, a key regulator of the cell cycle and apoptosis. This interaction sequesters p53 in the nucleus, preventing it from triggering apoptosis in these damaged cells.

Product Name:	FOXO4-DRI
CAS No.:	2460055-10-9
Molecular Formula:	C228H388N86O64
Molecular Weight:	5358.05
Sequence:	D-(Leu-Thr-Leu-Arg-Lys-Glu-Pro-Ala-Ser-Glu-Ile-Ala-Gln-Ser-Ile-Leu-Glu-P-Tyr-Ser-Gln-Asn-Gly-Trp-Ala-Asn-Arg-Arg-Ser-Gly-Gly-Lys-Arg-Pro-Pro-Pr Arg-Arg-Arg-Gln-Arg-Arg-Lys-Lys-Arg-Gly)
Other names/Synonyms:	FOXO4-D-Retro-Inverso peptide, FOXO4-DRI peptide, FOXO4-DRI inhibitor, FOXO4-p53 disrupting peptide, Senolytic FOXO4-DRI
Storage Temp:	Please seal and store at 8°C–20°C

How does FOXO4-DRI work?

FOXO4-DRI is a synthetic peptide designed to interfere with the interaction between the transcription factor FOXO4 and the tumor suppressor protein p53, thereby inducing apoptosis in senescent cells. The following is a detailed explanation of how FOXO4-DRI works:

Mechanism of action of FOXO4-DRI:

FOXO4-DRI interferes with FOXO4-p53 interaction: FOXO4-DRI is a modified peptide that mimics a specific part of the FOXO4 protein. FOXO4-DRI is a modified peptide that mimics a specific part of the FOXO4 protein. It is designed to competitively inhibit the binding of endogenous FOXO4 to p53. By binding to p53 itself, FOXO4-DRI prevents FOXO4 from interacting with p53.

Release of p53: When FOXO4-DRI binds to p53, it releases p53 that has been sequestered by FOXO4, and the free p53 can then be transported to mitochondria, where it plays a role in initiating the apoptotic pathway.

Induction of Apoptosis: Once p53 is released and translocated to the mitochondria, it triggers apoptosis in senescent cells. This process involves the activation of pro-apoptotic proteins and the mitochondrial cell death pathway, which removes senescent cells.

What are the benefits of FOXO4-DRI?

FOXO4-DRI (FOXO4-D-Retro-Inverso) is a synthetic peptide that has attracted attention in the field of aging and senescence research for its potential therapeutic benefits. Below are the key benefits associated with FOXO4-DRI:

Reduction of Senescent Cells

Studies have shown that FOXO4-DRI can be specifically targeted to induce apoptosis in senescent cells without affecting healthy cells.

Product Images:



Shipping:

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