

Product Data Sheet

Product Name: Myostatin inhibitory peptide 7

Cat. No.: GC74314

Chemical Properties

Cas. No. 1621169-56-9

Formula $C_{130}H_{222}N_{42}O_{32}$ M.Wt 2885.42

Solubility H_2O : 11.6 mg/mL (4.02 mM; Need ultrasonic and warming) Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Trp-Arg-Gln-Asn-Thr-Arg-Tyr-Ser-Arg-
Ile-Glu-Ala-Ile-Lys-Ile-Gln-Ile-Leu-Ser-
Lys-Leu-Arg-Leu-NH₂

Background

Myostatin inhibitory peptide 7 is a 23 amino acids peptide, which is derived from amino acids 21 to 43 of the mouse myostatin prodomain. Myostatin inhibitory peptide 7 inhibits myostatin with K_d of 29.7 nM. Myostatin inhibitory peptide 7 can be used for researches of muscle atrophic disorders.

References:

[1]. Takayama K, et al., Identification of the minimum peptide from mouse myostatin prodomain for human myostatin inhibition. J Med Chem. 2015 Feb 12;58(3):1544-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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