

Product Data Sheet

Product Name: Myostatin inhibitory peptide 2

Cat. No.: GC74328

Chemical Properties

Cas. No. 1621169-52-5

Formula $C_{133}H_{227}N_{43}O_{33}$ M.Wt 2956.49

Solubility H_2O : ≥ 25 mg/mL (8.46 mM) 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

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

Myostatin inhibitory peptide 2 (compd 2) is a myostatin inhibitor with a K_d of 35.9 nM. Myostatin inhibitory peptide 2 can be used for researches of muscle atrophic disorders.

Myostatin inhibitory peptide 2 (0.75 mM, 40 µL, i.m., once every two weeks for 4 weeks) increases the muscle weight of skeletal muscles in muscular dystroph model mice[1].

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.

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