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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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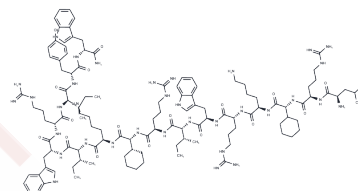
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Myostatin-IN-1

Chemical Properties

CAS No. :	2757831-08-4
Formula:	C ₁₁₈ H ₁₈₄ N ₃₄ O ₁₇
Molecular Weight:	2350.94
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Myostatin-IN-1 is a powerful inhibitor of myostatin with IC ₅₀ values of 0.19, 0.63, 0.89, and 1.6 μ M for myostatin, GDF-11, activin A, and TGF- β 1, respectively. It enhances the tibialis anterior muscle mass in mice and is applicable for studying extended myostatin inactivation in skeletal muscle [1].
In vitro	Myostatin-IN-1 (MID-35) (50 μ M; 400 min) exhibits complete proteolytic stability, retaining 99% and 97% of its intact form after a 400-minute incubation in trypsin and α -chymotrypsin solutions, respectively [1].
In vivo	Myostatin-IN-1, administered intramuscularly as a single 0.75 mM dose, significantly increases tibialis anterior (TA) muscle mass in C57BL/6J mice (8 weeks) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4254 mL	2.1268 mL	4.2536 mL
5 mM	0.0851 mL	0.4254 mL	0.8507 mL
10 mM	0.0425 mL	0.2127 mL	0.4254 mL
50 mM	0.0085 mL	0.0425 mL	0.0851 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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