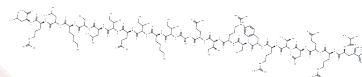


Myostatin inhibitory peptide 2

Chemical Properties

CAS No. :	1621169-52-5
Formula:	C133H227N43O33
Molecular Weight:	2956.49
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Myostatin inhibitory peptide 2 is a 24-amino-acid peptide derived from amino acids 20-43 of the mouse myostatin prodomain, and serves as a potent myostatin inhibitor. Myostatin inhibitory peptide 2 binds directly to myostatin with high affinity ($K_d=35.9$ nM), blocks the binding of myostatin to ActRII receptor, and inhibits the activation of downstream Smad2 signaling pathway. In mdx mice, a model of muscular dystrophy, Myostatin inhibitory peptide 2 significantly increases skeletal muscle weight and is suitable for research on mechanisms and interventions of muscular atrophy diseases.
Targets(IC50)	TGF-beta/Smad

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3382 mL	1.6912 mL	3.3824 mL
5 mM	0.0676 mL	0.3382 mL	0.6765 mL
10 mM	0.0338 mL	0.1691 mL	0.3382 mL
50 mM	0.0068 mL	0.0338 mL	0.0676 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481