

Stamulumab

Chemical Properties

CAS No. :	705287-60-1
Formula:	
Molecular Weight:	142.80 kDa
Storage:	Store at low temperature
	Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Stamulumab (MYO-029) is a high-affinity recombinant human antibody and myostatin neutralising antibody capable of increasing muscle mass in SCID mice. It may be employed in studying various muscular dystrophies, such as BMD, FSHD, and LGMD.
Targets(IC50)	TGF-beta/Smad
In vivo	Method: Stamulumab (1-10 mg/kg/week, 12 weeks) was administered intraperitoneally to female SCID mice to evaluate its efficacy. Results: Stamulumab dose-dependently increased skeletal muscle mass, with an Emax value of 23%-30% and a Cave50 range of 47-72 nM. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.035 mL	0.070 mL
5 mM	0.0014 mL	0.007 mL	0.014 mL
10 mM	0.0007 mL	0.0035 mL	0.007 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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

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