

Romosozumab

Chemical Properties

CAS No. :	909395-70-6
Formula:	
Molecular Weight:	145.87 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	<small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Romosozumab (AMG-785) is a humanized monoclonal antibody that binds and inhibits sclerostin, increasing bone formation and decreasing bone resorption. Romosozumab is used in the study of postmenopausal osteoporosis.
Targets(IC50)	Wnt/beta-catenin
In vivo	Romosozumab (30 mg/kg twice weekly for 10 weeks) induces the transformation of bone trabecular rod-like structures to plate-like structures in cynomolgus monkeys. [1] In mature cynomolgus monkeys undergoing ovariectomy for 4 months, Romosozumab (3 mg/kg and 30 mg/kg once weekly for 6 or 12 months) was able to enhance bone mass, optimize bone structure, and improve bone strength while maintaining bone quality. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0343 mL	0.0686 mL
5 mM	0.0014 mL	0.0069 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 mL	0.0069 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.

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