

Actoxumab

Chemical Properties

CAS No. :	1245634-25-6
Formula:	
Molecular Weight:	145 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	Actoxumab is a humanized monoclonal antibody targeting Clostridium difficile toxin A (TcdA), preventing the binding of TcdA to target cells and neutralizing toxin activity by inhibiting the first step of TcdA.
Targets(IC50)	Others
In vitro	Actoxumab (10 mg/kg) significantly inhibited cell rounding activity in Vero cells when treated with 2 ng/mL TcdA. [1]
In vivo	Actoxumab-bezlotoxumab (0.1, 1 or 10 mg/kg) significantly protected mice in a dose-dependent manner from Clostridium difficile toxin attack models. In acute and severe CDI models, Actoxumab-bezlotoxumab prevents inflammation and damage associated with TcdA and TcdB. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0345 mL	0.069 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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