

Seribantumab

Chemical Properties

CAS No. :	1334296-12-6
Formula:	
Molecular Weight:	143.14 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	Seribantumab (MM 121) is a humanized monoclonal antibody targeting HER3, inhibiting NRG1-induced growth in MCF-7 cells and patient-derived breast and lung cancer cells harboring NRG1 fusions or amplifications. It also induces apoptosis in MDA-MB-175-VII and LUAD-0061AS3 cells.
Targets(IC50)	Apoptosis,EGFR,HER
In vitro	Methods: seribantumab (0.1, 1, 10 μ M) was used to treat cancer cells. Results: seribantumab inhibited neuregulin (NRG1) fusion dependent tumorigenesis. The IC50 values of Seribantumab for MDA-MB-175-VII cells, LUAD-0061AS3 cells, MCF-7 cells, and HBECp53 cells were 0.02 μ M, 1.4 μ M, 45.2 μ M, and 203 μ M, respectively. [1]
In vivo	Seribantumab (0.6 mg, 0.75 mg, or 1 mg per dose twice weekly) was injected into mice with LUAD-0061AS3 PDX tumors, and results showed that seribantumab was more effective than afatinib in reducing tumor growth. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0349 mL	0.0699 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.

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