

Tilgotamab

Chemical Properties

CAS No. : 2109731-10-2

Formula:

Molecular Weight: 144.88 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tilgotamab (GEN-1029) is an agonistic hexameric complex targeting two independent epitopes on DR5, used for studying multiple myeloma (MM).
Targets(IC50)	TNF
In vitro	Tilgotamab (20 µg/mL,24h) induced strong cytotoxicity in primary multiple myeloma (MM) cells. [1]
In vivo	Tilgotamab at a concentration of 20 µg/mL for 24 hours exhibits potent cytotoxicity against primary MM cells [1]. Tilgotamab is a mixture of two non-competitive DR5-specific monoclonal immunoglobulin G1 (IgG1) antibodies, each featuring an E430G mutation in the Fc domain. This mutation enhances Fc-Fc interactions, leading to antibody hexamerization and subsequent FcγR-independent clustering of DR5 molecules [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	0.0035 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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