

Gatipotuzumab

Chemical Properties

CAS No. :	1264737-26-9
Formula:	
Molecular Weight:	146.54 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	Gatipotuzumab (PankoMab) is a novel humanized monoclonal antibody conjugated to the tumor-associated epitope of mucin 1 (TA-MUC1) with potential anti-tumor activity for the study of recurrent epithelial ovarian cancer.
Targets(IC50)	Mucin
In vitro	Gatipotuzumab can effectively bind to a short MUC1 peptide consisting of 30 amino acids and containing 1.5 TRs. When this peptide is glycosylated with GalNAc α at the T position of the PDTRP sequence, it forms a strong bond; however, no binding occurs when the peptide is not glycosylated. Within 1 hour of treatment, Gatipotuzumab demonstrates high affinity for tumor cells, with KD values of 0.91, 3.03, 3.84, and 7.14 nM for NM-D4, ZR75-1, MCF-7, and T-47D, respectively. After 4 hours of treatment at concentrations ranging from 0 to 5 μ g/mL, Gatipotuzumab exhibits specific antibody-dependent cytotoxic activity against tumors. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0682 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 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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