

Glebatumumab

Chemical Properties

CAS No. :	1020264-78-1
Formula:	
Molecular Weight:	145.56 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	Glebatumumab is a fully human IgG2 monoclonal antibody targeting the extracellular structural domain of GPNMB expressed in human breast cancer and melanoma. It is a naked antibody to Glebatumumab vedotin and can be used to study antibody-activated molecule couplings (Glebatumumab vedotin).
Targets(IC50)	ADC Antibody
In vitro	Glebatumumab vedotin (CR011-vcMMAE) exhibits minimal growth inhibition at a concentration of 0.16 µg/mL in UACC62 melanoma cells without prior MEK inhibitor pretreatment for 72 hours. In contrast, the same dose of CR011-vcMMAE shows stronger growth inhibition in UACC62 cells pre-treated with a MEK inhibitor[1].
In vivo	Glebatumumab vedotin, administered via intravenous injection at a dose of 2.5 mg/kg three times within 7 days, inhibits tumor growth and demonstrates good tolerance in CB17SC scid ^{+/+} female xenograft mice[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0687 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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