

## Flanvotumab

## Chemical Properties

CAS No. : 1188277-05-5

Formula:

Molecular Weight: 145.42 kDa

Storage: Store at low temperature  
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Flanvotumab

## Biological Description

Description	Flanvotumab (IMC-20D7S) is a humanized monoclonal antibody targeting tyrosinase-related protein (TYRP1), exhibiting potent antitumor activity through natural killer-mediated and antibody-dependent cell-mediated cytotoxicity (ADCC).
Targets(IC50)	Tyrosinase
In vitro	Flanvotumab is developed based on TA99, a mouse IgG2a monoclonal antibody against TYRP1. TA99 is positioned in subcutaneous melanoma xenografts and inhibits the growth of syngeneic tumors in preclinical models[1].The antitumor effect of TA99 relies on the presence of intact antibodies, Fc receptors, and natural killer (NK) cells[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0688 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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