

## Atigotatug

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 145.9 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Atigotatug (BMS-986012) is a humanized antibody targeting fucosylated GM1 ganglioside, used in lung cancer research.
Targets(IC50)	Others
In vitro	Atigotatug binds to SCLC cell line specific and dose-dependent with EC50 ranges of 6 to 132 nmol/L, respectively. Atigotatug specifically binds FucGM1 with high affinity and acts as an IgG1 mAb, avoiding the need for T cell-dependent class switching. [1]
In vivo	Atigotatug (0.01 to 3 mg/kg) showed antitumor activity in human SCLC tumor xenotransplantation and PDX models. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0343 mL	0.0685 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.

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