

## Mitazalimab

## Chemical Properties

CAS No. : 2055640-86-1

Formula:

Molecular Weight: 143.42 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Mitazalimab (ADC-1013) is a monoclonal IgG antibody targeting CD40 and a CD40 agonist with antitumor activity. Mitazalimab activates antigen-presenting cells, induces transient peripheral transcriptome changes, and can be used to study tumors.
Targets(IC50)	TNF
In vitro	Mitazalimab (1 ng/mL-10 µg/mL) was able to activate tumor-associated macrophages (TAM) in human prostate or ovarian cancer samples. [2]
In vivo	Mitazalimab (100 µg/mouse, intraperitoneal injection, single dose) was able to activate splenic dendritic cells and B-cells in naïve hCD40tg mice and induced OVA-specific CD8+ T-cell expansion under OVA reprocessing conditions (200 µg intravenously, 3 times over 7 consecutive days). In addition, Mitazalimab (100 and 300 µg/mouse, intraperitoneal injection, administered on days 7, 10, and 13 post-inoculation) induced the release of pro-inflammatory cytokines and chemokines in the blood of animals bearing bladder tumors in MB49 mice and affected the composition of tumor bone marrow cells, resulting in a decrease in monocytes and macrophages and an increase in the number of granulocytes. [1]

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.007 mL	0.0349 mL	0.0697 mL
5 mM	0.0014 mL	0.007 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.007 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 mL

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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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