

## Belantamab mafodotin

## Chemical Properties

CAS No. :	2050232-20-5
Formula:	
Molecular Weight:	146.06 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	Belantamab mafodotin (GSK2857916) is an antibody-drug conjugate targeting B-cell maturation antigen (BCMA) that enhances immune cell infiltration and activation within tumors and delays tumor growth. It is used in studies of multiple myeloma.
Targets(IC50)	Antibody-Drug Conjugates (ADCs)
In vitro	Belantamab mafodotin is an immune conjugate (ADC) that targets B cell maturation antigens. The Kd value of Belantamab mafodotin binding human BCMA protein was 1 nM. Belantamab mafodotin induces G2/M phase arrest in multiple myeloma cells in a dose - and time-dependent manner. [1]
In vivo	Belantamab mafodotin significantly improved survival in mice with OPM2 tumors. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0685 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 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.

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