

## Isatuximab

## Chemical Properties

CAS No. : 1461640-62-9

Formula:

Molecular Weight: 145.21 kDa

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

Actual storage temperature shall be subject to the COA.

## Isatuximab

## Biological Description

Description	Isatuximab is a monoclonal antibody targeting the transmembrane receptor and extracellular enzyme CD38 in malignant cells of the hematological system, a highly expressed protein in multiple myeloma. It exhibits antitumor activity, antibody-dependent cytotoxicity, complement-dependent cytotoxicity, and antibody-dependent cytophagocytosis, directly inducing apoptosis without crosslinking. Isatuximab inhibits CD38 extracellular enzyme activity, affecting various cellular functions.
Targets(IC50)	Apoptosis,CD38
In vitro	The combination of Isatuximab with Pomalidomide (an immunomodulatory drug) results in greater direct toxicity and lysis of CD38 multiple myeloma cells by effector cells compared with Isatuximab alone [2] .

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0689 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.

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