

## Lutikizumab

## Chemical Properties

CAS No. : 1791411-57-8

Formula:

Molecular Weight: 196.82 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Lutikizumab is a bispecific antibody against IL-1 $\alpha$ and IL-1 $\beta$ with a bivalent variable domain structure. By binding to IL-1 $\alpha$ and IL-1 $\beta$ , Lutikizumab effectively inhibits their activity and is mainly used in the field of osteoarthritis research.
Targets(IC50)	IL Receptor
In vitro	Lutikizumab binds specifically to both human IL-1 $\alpha$ and IL-1 $\beta$ proteins. Compared with other cytokines in the IL-1 family, lutikizumab exhibits highly specific binding to both IL-1 $\alpha$ and IL-1 $\beta$ [1].
In vivo	Lutikizumab significantly inhibits IL-6 production induced by IL-1 $\alpha$ and IL-1 $\beta$ following a single intraperitoneal injection at doses of 0.0001-1 mg/kg [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0051 mL	0.0254 mL	0.0508 mL
5 mM	0.001 mL	0.0051 mL	0.0102 mL
10 mM	0.0005 mL	0.0025 mL	0.0051 mL
50 mM	0.0001 mL	0.0005 mL	0.001 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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