

Teplizumab

Chemical Properties

CAS No. : 876387-05-2

Formula:

Molecular Weight: 145.79 kDa

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

Actual storage temperature shall be subject to the COA.

Teplizumab

Biological Description

| | |
|---------------|--|
| Description | Teplizumab (MGA-031) is a humanized monoclonal antibody targeting CD3 that slows the loss of beta cell function and is used to treat type 1 diabetes. |
| Targets(IC50) | Others,Integrin |
| In vitro | Teplizumab induces human CD8+ T-cell proliferation (10 ng/mL-10 µg/mL, 5 days)[3]. Teplizumab increases the expression of CD25 and intracellular CTLA4 on CD8+ cells (freshly isolated PBMCs) after 6 days[2]. |
| In vivo | In NSG mice, Teplizumab (0.24 mg/kg, i.p.) induces migration of human CD4 T cells to the lamina propria and ablates the treatment effects of the drug on graft survival[3]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.0069 mL | 0.0343 mL | 0.0686 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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