

## Geptanolimab

## Chemical Properties

CAS No. : 2348469-43-0

Formula:

Molecular Weight: 144.14 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

|               |   |
|---------------|---|
| Description   | Geptanolimab (CBT-501) is a humanized IgG4k monoclonal antibody directed against PD-1 (Programmed Death-1). Geptanolimab functions by competitively blocking the binding of PD-L1 and PD-L2 to PD-1, thereby reactivating T cell activity. Geptanolimab is under development as an immunotherapeutic agent with potential applications in cancer treatment. |
| Targets(IC50) | PD-1/PD-L1  |
| In vitro      | Geptanolimab exhibits high specificity in binding to the PD-1 of Homo sapiens (KD=505 pM) and Macaca mulatta (KD=7.2 nM) [1].<br>Geptanolimab also enhances T-cell activation in mixed lymphocyte response (MLR) of Homo sapiens and significantly increases the release of IL-2 and IFN- $\gamma$ [1].   |
| In vivo       | Geptanolimab was administered via intraperitoneal injection in MC38 syngeneic tumor model mice, demonstrating significant antitumor activity with a tumor inhibition rate as high as 83% [1].   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.0069 mL | 0.0347 mL | 0.0694 mL |
| 5 mM  | 0.0014 mL | 0.0069 mL | 0.0139 mL |
| 10 mM | 0.0007 mL | 0.0035 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481