

Tremelimumab

Chemical Properties

CAS No. : 745013-59-6

Formula:

Molecular Weight: 146.3 kDa

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

Actual storage temperature shall be subject to the COA.

tremelimumab

Biological Description

Description	Tremelimumab is a cytotoxic T-lymphocyte-associated antigen-4 (CTLA-4) blocking antibody. Tremelimumab is often used in combination with Durvalumab for the treatment of solid cancers such as hepatocellular carcinoma and lung cancer.
Targets(IC50)	Others, Immunology/Inflammation related
In vitro	Tremelimumab exhibits a higher binding affinity for CTLA-4-Ig compared to CD28-Ig, demonstrating specificity for cynomolgus monkeys and humans. It does not engage with human leukocyte FcγR, mitigating the risk of cytokine release syndrome. Interestingly, Tremelimumab enhances IL-2 production in a concentration-dependent manner when stimulated with staphylococcal enterotoxin A, showcasing its ability to modulate T-cell responses.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0684 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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