

Product Data Sheet

Product Name: Sabatolimab

Cat. No.: GC64424

Chemical Properties

Cas. No. 2252262-24-9

Formula M.Wt 144.675 kDa

Solubility Storage -80°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Sabatolimab

Background

Sabatolimab (MBG453) is a high-affinity, humanized, IgG4 (S228P) antibody targeting TIM-3, an inhibitory receptor that regulates adaptive and innate immune responses. Sabatolimab is a potential immunosuppression agent that can target TIM-3 on immune and myeloid cells^[1].

Sabatolimab enhances the immune response by blocking the binding of TIM-3 to its ligands (such as PtdSer and galectin-9), thereby relieving the inhibition of T cells and myeloid cells by T cells, enhancing T cell-mediated killing of TIM-3+ cells, promoting the secretion of inflammatory cytokines (such as IL-12 and TNFα) by dendritic cells (DCs), and promoting macrophage phagocytosis of TIM-

Caution: Product has not been fully validated for medical applications. For research use only.

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3+ cells^[2].

References:

[1]. Andrew M. Brunner, et al. Efficacy and Safety of Sabatolimab (MBG453) in Combination with Hypomethylating Agents (HMAs) in Patients with Acute Myeloid Leukemia (AML) and High-Risk Myelodysplastic Syndrome (HR-MDS): Updated Results from a Phase 1b Study. Blood (2020) 136 (Supplement 1): 1–2

[2]. Schwartz S, et al., Characterization of sabatolimab, a novel immunotherapy with immuno-myeloid activity directed against TIM-3 receptor. Immunother Adv. 2022 Aug 10;2(1):ltac019..

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