
Product Data Sheet

Product Name: Obinutuzumab

Cat. No.: GC61143

Chemical Properties

Cas. No. 949142-50-1

SMILES [Obinutuzumab]

Formula M.Wt 146298.97

Solubility Storage Store at 4°C, do not freeze

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

Background

Obinutuzumab (anti-CD20) (Gazyva, GA101, Gazyvaro, Afutuzumab) is a novel, type II, glycoengineered, humanized anti-CD20 monoclonal antibody that has been developed for lymphocytic leukemia and lymphoma of B-cell origin. MW : 146.1 kD.

GA101 is the first Fc-engineered, type II humanized IgG1 antibody against CD20. Relative to rituximab, GA101 has increased direct and immune effector cell-mediated cytotoxicity and exhibits superior activity in cellular assays and whole blood B-cell depletion assays.[3]

In human lymphoma xenograft models, GA101 exhibits superior antitumor activity, resulting in the induction of complete tumor remission and increased overall survival. In nonhuman primates, GA101 demonstrates superior B cell-depleting activity in lymphoid tissue, including in lymph nodes and spleen.[3]

[1] Kensei Tobinai, et al. Adv Ther . 2017 Feb;34(2):324-356. [2] Frank Herting, et al. Leuk Lymphoma. 2014 Sep;55(9):2151-5160. [3] Ekkehard M?ssner, et al. Blood. 2010 Jun 3;115(22):4393-402.

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

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