

Product Data Sheet

Product Name: Domagrozumab

Cat. No.: GC72452

Chemical Properties

Cas. No. 1629605-31-7

Formula M.Wt

Solubility Storage

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

Domagrozumab

Background

Domagrozumab is an anti-myostatin humanized monoclonal antibody with a KD value of 2.6 pM for human myostatin. Domagrozumab induces muscle anabolic activity. Domagrozumab can be used in research of duchenne muscular dystrophy (DMD).

Domagrozumab (PF-06252616) inhibits human myostatin signaling activity with an IC₅₀ value of < 1

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

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nM^[1].

Domagrozumab (PF-06252616; 10 and 30 mg/kg; i.v.) increases myostatin levels in a dose-dependent manner and induces skeletal muscle hypertrophy in cynomolgus monkeys^[1].

References:

[1]. St Andre M, et, al. A mouse anti-myostatin antibody increases muscle mass and improves muscle strength and contractility in the mdx mouse model of Duchenne muscular dystrophy and its humanized equivalent, domagrozumab (PF-06252616), increases muscle volume in cynomolgus monkeys. *Skelet Muscle*. 2017 Nov 9;7(1):25.

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