

Product Data Sheet

Product Name: Blosozumab

Cat. No.: GC66384

Chemical Properties

Cas. No. 1132758-87-2

Formula M.Wt

Solubility Storage Store at -20°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

Blosozumab

Background

Blosozumab (LY2541546) is an anti-Human **sclerostin (SOST)** antibody inhibitor. Blosozumab stimulates bone formation and reduces bone resorption. Blosozumab can be used in the research of Osteoporosis^{[1][2]}.

Blosozumab (1-100 mg/kg, i.v.) shows effects of hyperostosis in rats^[1].

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

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Animal Model: Sprague-Dawley rats [2]

Dosage: 1, 10, and 100 mg/kg

Administration: Intravenous injection (i.v.), once every 3 days (5-week study) or once weekly (6-month study)

Result: Observed the bone anabolic effects. Showed significant bleeding and morbidity at 100 mg/kg. Decreases in the numbers of platelets. Increased number of bone marrow megakaryocytes at 100 mg/kg.

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