
Product Data Sheet

Product Name: Luspatercept

Cat. No.: GC69412

Chemical Properties

Cas. No. 1373715-00-4

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

Background

Luspatercept (ACE-536) is a recombinant modified ActRIIB fusion protein that binds with transforming growth factor β superfamily ligands. Luspatercept increases the erythrocyte numbers and promotes maturation of erythroid precursors. Luspatercept binds with **GDF11** and inhibits **Smad2/3** signaling. Luspatercept can be used for the research of anemia^[1].

Animal Model: C57BL/6 mice^[1]

Dosage: 0.1, 0.3, 1, 3 and 10 mg/kg

Administration: Subcutaneous injection and intravenous injection; 0.1-10 mg/kg (C57BL/6 mice, s.c.), 6-60 mg/kg (Sprague Dawley rats, s.c.), 0.4-30 mg/kg (cynomolgus monkeys, s.c.), 10 mg/kg, (cynomolgus monkeys, i.v.); twice weekly for 8 weeks

Result: Dose-dependently increased the level of RBC, hemoglobin and hematocrit in mice, rats and monkeys.

References:

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

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[1]. Suragani RN, et al. Transforming growth factor- β superfamily ligand trap ACE-536 corrects anemia by promoting late-stage erythropoiesis. Nat Med. 2014 Apr;20(4):408-14.

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