

Product Data Sheet

Product Name: Lampalizumab

Cat. No.: GC72354

Chemical Properties

Cas. No. 1278466-20-8

Formula M.Wt 143.8 (kDa)

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

Lampalizumab

Background

Lampalizumab (RG 7417) is a humanised monoclonal antibody targeting complement Factor D in the alternative complement pathway. Lampalizumab binds an exosite and sterically blocks Factor B access to the active site. Lampalizumab can be used for age-related macular degeneration (AMD) research.

Lampalizumab delivered intravenously to cynomolgus monkeys elicits nearly 10-fold increases in serum Factor D levels within five hours, effectively neutralizing its inhibitory activity^[1].

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

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References:

- [1]. Yuan X, et al. Small-molecule factor D inhibitors selectively block the alternative pathway of complement in paroxysmal nocturnal hemoglobinuria and atypical hemolytic uremic syndrome. *Haematologica*. 2017 Mar;102(3):466-475.
- [2]. Hanus J, et al. Current therapeutic developments in atrophic age-related macular degeneration. *Br J Ophthalmol*. 2016 Jan;100(1):122-7.

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