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## Product Data Sheet

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Product Name: Nipocalimab

Cat. No.: GC68301

### Chemical Properties

Cas. No. 2211985-36-1

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

Nipocalimab (M281) is a fully human, recombinant, aglycosylated IgG1 monoclonal antibody. Nipocalimab is a human deglycosylated IgG1 anti-FcRn monoclonal antibody that binds with picomolar affinity to **Fc receptor (FcRn)** at both endosomal pH 6.0 and extracellular pH 7.6<sup>[1][2]</sup>.

[1]. James S Castleman, et al. Medical therapy to attenuate fetal anaemia in severe maternal red cell alloimmunisation. Br J Haematol. 2021 Feb;192(3):425-432.

[2]. Marinos C Dalakas, et al. The importance of FcRn in neuro-immunotherapies: From IgG catabolism, FCGRT gene polymorphisms, IVIg dosing and efficiency to specific FcRn inhibitors. Ther Adv Neurol Disord. 2021 Feb 26;14:1756286421997381.

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

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