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## Product Data Sheet

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Product Name: Ivonescimab

Cat. No.: GC74564

### Chemical Properties

Cas. No. 2428381-53-5

Formula M.Wt

Solubility Storage -40°C or below, Avoid repeated freeze-thaw cycles.

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

Ivonescimab (AK112) is a PD-1/VEGF Bispecific Antibody. Ivonescimab can be used for cancer research.

Ivonescimab binds to PD-1 and VEGFA with EC50s of 0.06 and 0.036 nM[2]. Ivonescimab can form soluble complexes with VEGF (by SEC-HPLC assay)[2].

#### References:

- [1]. Coward J, et al. Efficacy and safety of AK112, an anti-PD-1/VEGF-A bispecific antibody, in patients with platinum-resistant/refractory epithelial ovarian cancer in a Phase 1 study. *Journal for Immuno Therapy of Cancer* 2021;9: [2]. Zhong T, et al. AK112, a tetravalent bispecific antibody targeting PD-1 and VEGF, enhances binding avidity and functional activities and elicits potent anti-tumor efficacy in pre-clinical studies. *Journal for Immuno Therapy of Cancer*. 2022;10: [3]. Qu T, et al. Ligufalimab, a novel anti-CD47 antibody with no hemagglutination demonstrates both monotherapy and combo antitumor activity. *Journal for Immuno Therapy of Cancer*. 2022;10:e005517.

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

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