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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Volagidemab

Cat. No.: HY-P99383

CAS No.: 1233956-13-2

Target: GCGR

Pathway: GPCR/G Protein

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Volagidemab is an antagonistic glucagon receptor (GCGR) monoclonal antibody (mAb). Volagidemab can be used in the research of type 1 diabetes (T1D)[1][2].

In Vivo

Volagidemab (5 mg/kg, s.c.) suppresses type 1 diabetes phenotype in Alloxan-induced diabetic mice[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Alloxan-induced diabetic mice [2]
Dosage:	5 mg/kg
Administration:	Subcutaneous injection (s.c.)
Result:	Reduced phosphorylated CREB protein and PEPCK protein expression to nondiabetic levels.

REFERENCES

[1]. Pettus J, et al. Glucagon receptor antagonist volagidemab in type 1 diabetes: a 12-week, randomized, double-blind, phase 2 trial. Nat Med. 2022 Oct;28(10):2092-2099.

[2]. Wang MY, et al. Glucagon receptor antibody completely suppresses type 1 diabetes phenotype without insulin by disrupting a novel diabetogenic pathway. Proc Natl Acad Sci U S A. 2015 Feb 24;112(8):2503-8.

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