

Pepinemab

Cat. No.:	HY-P99407
CAS No.:	2097151-87-4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Pepinemab (VX 15/2503) is a human monoclonal antibody against SEMA4D, a signalling protein 4D (SEMA4D), also known as CD100, which is a regulator of neuronal development and plays a role in a variety of cellular processes. Pepinemab can be used in the study of various neurodegenerative diseases such as Alzheimer's disease by blocking the activity of SEMA4D ^[1] .
In Vitro	Pepinemab(VX 15/2503) (48 h) significantly inhibits the expression of glucose transporter protein (GLUT-1) and monocarboxylate transporter protein (MCT) 4 in primary human astrocytes CC-2565 and suppresses SEMA4D-induced reduction in glucose uptake by astrocytes ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Elizabeth E Evans, et al. Semaphorin 4D is upregulated in neurons of diseased brains and triggers astrocyte reactivity. J Neuroinflammation. 2022 Aug 6;19(1):200.

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

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