

LPPM-8

Cat. No.:	HY-158104
Molecular Formula:	C ₅₀ H ₈₉ N ₇ O ₁₄
Molecular Weight:	1012.28
Sequence:	{{(2S,3R)-3-Hydroxy-2-methylundecanoyl}-[d-(Glu-Asp-Leu-Leu-Leu-Val)]}
Sequence Shortening:	{{(2S,3R)-3-Hydroxy-2-methylundecanoyl}-[d-(EDLLLLV)]}
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	LPPM-8 is a ligand of Med25 and an inhibitor of Med25 protein-protein interactions (PPIs). LPPM-8 engages Med25 through interaction with the H2 face of its Activator Interaction Domain and stabilizes full-length protein in the cellular proteome. LPPM-8 is an orthosteric inhibitor of H2-binding transcriptional activators (such as ATF6a). LPPM-8 can be used for studying Med25 and Mediator complex biology ^[1] .
In Vitro	Med25 is a substoichiometric component of the megadalton Mediator complex and serves to bridge Mediator and transcriptional activators during transcription initiation through PPIs with the amphipathic ETV/PEA3 family (cell migration, motility), ATF6a (stress response), and VP16 (viral infection) ^[1] . LPPM-8 (10 and 20 μM) inhibits a Med25-dependent gene (MMP-9) in VARIO68 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pattelli ON, et al. A Lipopeptidomimetic of Transcriptional Activation Domains Selectively Disrupts Med25 Protein-Protein Interactions. *Angew Chem Int Ed Engl*. 2024 Mar 25:e202400781.

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

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