

p3Ysh-3

Cat. No.:	HY-P3354
Molecular Formula:	C ₄₁ H ₆₀ N ₉ O ₁₈ P
Molecular Weight:	997.94
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	p3Ysh-3 is a peptide inhibitor of STEP Phosphatase-GluA2 AMPA receptor interaction with a Ki of 1.09 μM. p3Ysh-3 restores the memory deficits and displays anxiolytic and antidepressant effects in a scopolamine-treated rat model. p3Ysh-3 is a promising lead compound for novel cognitive enhancers and/or behavioral modulators ^[1] .
IC ₅₀ & Target	AMPA Receptor

REFERENCES

[1]. Szedlacsek HS, et al. Designed Peptide Inhibitors of STEP Phosphatase-GluA2 AMPA Receptor Interaction Enhance the Cognitive Performance in Rats. *J Med Chem.* 2022;65(1):217-233.

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

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