

Lyn peptide inhibitor

Cat. No.:	HY-P1111
CAS No.:	222018-18-0
Molecular Formula:	C ₁₁₅ H ₁₈₄ N ₃₀ O ₂₄
Molecular Weight:	2370.88
Sequence:	Stearoyl-Tyr-Gly-Tyr-Arg-Leu-Arg-Arg-Lys-Trp-Glu-Glu-Lys-Ile-Pro-Asn-Pro-NH ₂
Sequence Shortening:	Stearoyl-YGYRLRRKWEKIPNP-NH ₂
Target:	Src; Interleukin Related
Pathway:	Protein Tyrosine Kinase/RTK; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Stearoyl-YGYRLRRKWEKIPNP-NH₂

BIOLOGICAL ACTIVITY

Description	Lyn peptide inhibitor is a potent and cell-permeable inhibitor of Lyn-coupled IL-5 receptor signaling pathway, while keeping other signals intact. Lyn peptide inhibitor blocks Lyn activation and inhibits the binding of Lyn tyrosine kinase to βc subunit of IL-3/GM-CSF/IL-5 receptors. Lyn peptide inhibitor can be used for study of asthma, allergic, and other eosinophilic disorders ^[1] .	
IC ₅₀ & Target	IL-5	IL-3

REFERENCES

[1]. T Adachi, et al. The mapping of the Lyn kinase binding site of the common beta subunit of IL-3/granulocyte-macrophage colony-stimulating factor/IL-5 receptor. J Immunol. 1999 Feb 1;162(3):1496-501.

[2]. T Adachi, et al. A novel Lyn-binding peptide inhibitor blocks eosinophil differentiation, survival, and airway eosinophilic inflammation. J Immunol. 1999 Jul 15;163(2):939-46.

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

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