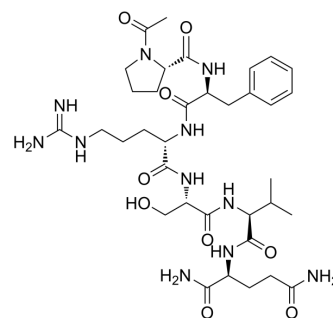


KKI-5

Cat. No.:	HY-P0237
CAS No.:	97145-43-2
Molecular Formula:	C ₃₅ H ₅₅ N ₁₁ O ₉
Molecular Weight:	773.88
Sequence:	Ac-Pro-Phe-Arg-Ser-Val-Gln-NH ₂
Sequence Shortening:	Ac-PFRSVQ-NH ₂
Target:	Kallikrein
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KKI-5 is a specific inhibitor of tissue kallikrein. KKI-5 can attenuate breast cancer cell invasion ^[1] .
IC ₅₀ & Target	Kallikrein Inhibitor
In Vitro	<p>The KKI-5 Peptide corresponds to aa386-391 of bovine kininogen-1 that encompasses the aa388-389 kallikrein proteolytic site. The synthetic KKI-5 can attenuate breast cancer cell invasion, therefore it is investigated for its role in invasion and metastasis of cancer cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Deshpande MS, et al. Mapping the binding site of tissue kallikrein: preparation and testing of all possible substrate analog inhibitors homologous with the sequence of kininogen between Ser386 and Gln392. J Med Chem. 1992 Aug 21;35(17):3094-102.

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

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