

Camstatin

Cat. No.:	HY-P0184
CAS No.:	1002295-95-5
Molecular Formula:	C ₁₂₂ H ₂₀₃ N ₃₉ O ₃₄
Molecular Weight:	2760.16
Sequence:	Ala-Pro-Glu-Thr-Glu-Arg-Ala-Ala-Val-Ala-Ile-Gln-Ala-Gln-Phe-Arg-Lys-Phe-Gln-Lys-Lys-Lys-Ala-Gly-Ser-NH ₂
Sequence Shortening:	APETERAAVAIQAFKFKKAGS-NH ₂
Target:	NO Synthase
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description	Camstatin, a functionally active 25-residue fragment of PEP-19's IQ motif, binds calmodulin and inhibits neuronal nitric oxide (NO) synthase ^[1] .
In Vitro	Camstatin is a synthetic peptide encompassing the minimal IQ motif of PEP-19 that binds apoCaM and inhibits the activities of the CaM-dependent enzymes neuronal nitric oxide synthase (nNOS) and CaM-kinase II ^[1] .

REFERENCES

[1]. J Bradley Dickerson, et al. The influence of phosphorylation on the activity and structure of the neuronal IQ motif protein, PEP-19. Brain Res. 2006 May 30;1092(1):16-27.

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

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