

## Autocamtide-3

Cat. No.:	HY-P3811
CAS No.:	142828-10-2
Molecular Formula:	C <sub>65</sub> H <sub>113</sub> N <sub>21</sub> O <sub>20</sub>
Molecular Weight:	1508.72
Sequence Shortening:	KKALHRQETVDAL
Target:	CaMK
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Autocamtide-3, a 13-amino-acid peptide containing Thr287, is a selective CaMKII (Ca <sup>2+</sup> /calmodulin-dependent kinase II) (CaMK) substrate <sup>[1]</sup> .
IC <sub>50</sub> & Target	CaMK II
In Vitro	20 μM Autocamtide-3 (H2N-Lys-Lys-Ala-Leu-His-Arg-Gln-Glu-Thr-Val-Asp-Ala-Leu-COOH), and 5 μL of CaMKII is used in a 50 μL kinase-assay reaction. Autocamtide-3 shows catalytic activity <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Mehtap Yilmaz, et al. Phosphorylation at Ser<sup>26</sup> in the ATP-binding site of Ca<sup>2+</sup>/calmodulin-dependent kinase II as a mechanism for switching off the kinase activity. Biosci Rep. 2013 Feb 7;33(2):e00024.

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

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