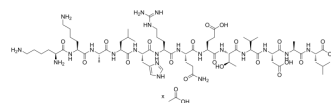


Autocamtide-3 acetate

Cat. No.:	HY-P3811A
Molecular Formula:	$C_{67}H_{117}N_{21}O_{22} \cdot xC_2H_4O_2$
Sequence:	Lys-Lys-Ala-Leu-His-Arg-Gln-Glu-Thr-Val-Asp-Ala-Leu
Sequence Shortening:	KKALHRQETVDAL
Target:	CaMK
Pathway:	Neuronal Signaling
Storage:	Sealed storage, away from moisture and light
	Powder -80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (Need ultrasonic)
-----------------	--

BIOLOGICAL ACTIVITY

Description	Autocamtide-3 acetate, a 13-amino-acid peptide containing Thr287, is a selective CaMKII (Ca ²⁺ /calmodulin-dependent kinase II) (CaMK) substrate ^[1] .
In Vitro	20 μM Autocamtide-3 acetate (H ₂ N-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 acetate shows catalytic activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mehtap Yilmaz, et al. Phosphorylation at Ser²⁶ in the ATP-binding site of Ca²⁺/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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA