



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Autocamtide-2-related inhibitory peptide

Chemical Properties

CAS No. :	167114-91-2
Formula:	C ₆₄ H ₁₁₆ N ₂₂ O ₁₉
Molecular Weight:	1497.74
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description

Description	Autocamtide-2-related inhibitory peptide is a potent and highly specific inhibitor of CaMKII, with an IC ₅₀ of 40 nM.
Targets(IC ₅₀)	CaMK, Autophagy
In vitro	Autocamtide-2-related inhibitory peptide (a novel synthetic peptide ATP) is a potent inhibitor of CaM-kinase II with an IC ₅₀ of 40 nM, which is active in the presence or absence of Ca ²⁺ /calmodulin. It is 50 and 500 times more potent than CaMK-(281-302Ala286) and KN-93, respectively, under the assay condition used[1].

Solubility Information

Solubility	DMSO: 10 mM, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6677 mL	3.3384 mL	6.6767 mL
5 mM	0.1335 mL	0.6677 mL	1.3353 mL
10 mM	0.0668 mL	0.3338 mL	0.6677 mL
50 mM	0.0134 mL	0.0668 mL	0.1335 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Ishida A, Kameshita I, Okuno S, Kitani T, Fujisawa H. A novel highly specific and potent inhibitor of calmodulin-dependent protein kinase II. Biochem Biophys Res Commun. 1995;212(3):806-812. doi:10.1006/bbrc.1995.2040

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481