



# 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 HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## [Ala286]-Calmodulin-Dependent Protein Kinase II (281-302)

Cat. No.: HY-P10499

CAS No.: 141055-85-8

Molecular Formula: CSCC[C@@H](N)C(N)[C@@H](CC1=CN=CN1)C(N)[C@@H](CCCNC(N)=N)C(N)[C@@H](CCC(N)=O)C(N)[C@@H](C(C)C)C(N)C(C)C

Molecular Weight: 2600.08

Sequence: Met-His-Arg-Gln-Glu-Ala-Val-Asp-Cys-Leu-Lys-Lys-Phe-Asn-Ala-Arg-Arg-Lys-Leu-Lys-Gly-Ala

Sequence: MHRQEAVDCLKKFNARRKLGGA

Shortening: MHRQEAVDCLKKFNARRKLGGA

Target: CaMK

Pathway: Neuronal Signaling

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

[Ala286]-Calmodulin-Dependent Protein Kinase II (281-302) is a modified fragment of calcium/calmodulin-dependent protein kinase II that contains the active domain of CaMKII and has an alanine substitution at position 286. [Ala286]-Calmodulin-Dependent Protein Kinase II (281-302) can be used to develop more potent CaMKII inhibitors<sup>[1]</sup>.

### REFERENCES

[1]. Ishida A, et al. Critical amino acid residues of AIP, a highly specific inhibitory peptide of calmodulin-dependent protein kinase II[J]. FEBS letters, 1998, 427(1): 115-118.

**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