



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CIGB-300

<b>Cat. No.:</b>	HY-P4056
<b>CAS No.:</b>	1072877-99-6
<b>Molecular Formula:</b>	C <sub>127</sub> H <sub>215</sub> N <sub>53</sub> O <sub>30</sub> S <sub>3</sub>
<b>Molecular Weight:</b>	3060.6
<b>Sequence:</b>	Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Pro-Pro-Gln- $\{\beta$ Ala $\}$ -Cys-Trp-Met-Ser-Pro-Arg-His-Leu-Gly-Thr-Cys (Disulfide bridge: Cys15-Cys25)
<b>Sequence Shortening:</b>	GRKKRRQRRRPPQ- $\{\beta$ Ala $\}$ -CWMSPRHLGTC (Disulfide bridge: Cys15-Cys25)
<b>Target:</b>	Casein Kinase
<b>Pathway:</b>	Cell Cycle/DNA Damage; Stem Cell/Wnt
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

## BIOLOGICAL ACTIVITY

### Description

CIGB-300 (P15-Tat) is an anti-casein kinase 2 (CK2) peptide that exhibits anticancer properties by interfering with the phosphorylation of protein kinase CK2. CIGB-300 induces apoptosis in multiple tumor cell lines and can be used in cancer therapy research<sup>[1]</sup>.

## REFERENCES

[1]. Perea S E, et al. CIGB-300, a novel proapoptotic peptide that impairs the CK2 phosphorylation and exhibits anticancer properties both in vitro and in vivo[J]. Molecular and cellular biochemistry, 2008, 316: 163-167.

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

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