



# 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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## BeKm-1

<b>Cat. No.:</b>	HY-P1440
<b>CAS No.:</b>	524962-01-4
<b>Molecular Formula:</b>	C <sub>174</sub> H <sub>261</sub> N <sub>51</sub> O <sub>52</sub> S <sub>6</sub>
<b>Molecular Weight:</b>	4091.65
<b>Sequence:</b>	Arg-Pro-Thr-Asp-Ile-Lys-Cys-Ser-Glu-Ser-Tyr-Gln-Cys-Phe-Pro-Val-Cys-Lys-Ser-Arg-Phe-Gly-Lys-Thr-Asn-Gly-Arg-Cys-Val-Asn-Gly-Phe-Cys-Asp-Cys-Phe (Disulfide bridge:Cys13-Cys33;Cys17-Cys35;Cys7-Cys28)
<b>Sequence Shortening:</b>	RPTDIKCESEYQCFPVCKSRFGKTNRCVNGFCDCF (Disulfide bridge:Cys13-Cys33;Cys17-Cys35;Cys7-Cys28)
<b>Target:</b>	Potassium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Storage:</b>	Sealed storage, away from moisture and light, under nitrogen 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, under nitrogen)

### BIOLOGICAL ACTIVITY

#### Description

BeKm-1 is a HERG (human ether-a-go-go-related gene) blocking compound. BeKm-1 can be used for the research of heart disease<sup>[1]</sup>.

### REFERENCES

[1]. Milnes JT, et al. Preferential closed channel blockade of HERG potassium currents by chemically synthesised BeKm-1 scorpion toxin. FEBS Lett. 2003;547(1-3):20-26.

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

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