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## DATASHEET

Pept 02

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### Product overview

<b>Name</b>	Pept 02
<b>Cat No</b>	HB8302
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>95%
<b>Description</b>	Novel potent SAKcaC potassium channel inhibitor

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### Biological Data

<b>Biological description</b>	Novel, potent stretch-activated big potassium channel (SAKcaC) inhibitor which inhibits SAKcaC in a dose- and voltage-dependent manner. More potent at SAKcaC than <a href="#">GsMTx4</a> .
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### Solubility & Handling

<b>Storage instructions</b>	-20 °C
<b>Solubility overview</b>	Soluble in water (1 mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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### Chemical Data

<b>Molecular Weight</b>	1222.5
<b>Molecular Formula</b>	$C_{50}H_{75}N_{15}O_{17}S_2$

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### References

**Two types of peptides derived from the neurotoxin GsMTx4 inhibit a mechanosensitive potassium channel by modifying the mechanogate.**

Zhou N et al (2022) The Journal of biological chemistry 298

**PubMedID** [35933015](#)

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