

# GsMTx-4, mechanosensitive and stretch-activated ion channel inhibitor ab141871

★★★★★ [1 Abreviews](#) [29 References](#) [画像数 2](#)

### 製品の概要

製品名	GsMTx-4, mechanosensitive and stretch-activated ion channel inhibitor
製品の詳細	Mechanosensitive and stretch-activated ion channel inhibitor
CAS 番号	1209500-46-8
構造式	<p>Gly-Cys-Leu-Glu-Phe-Trp-Trp-Lys-Cys-Asn-Pro-Asn-Asp-Asp-Lys-Cys-Cys-Arg-Pro-Lys-Leu-Lys-Cys-Ser-Lys-Leu-Phe-Lys-Leu-Cys-Asn-Phe-Ser-Phe-NH<sub>2</sub></p> <p>(Disulfide bridges: 2-17, 9-23 and 16-30)</p>

### 製品の特性

分子量	4095.85
分子式	C <sub>185</sub> H <sub>273</sub> N <sub>49</sub> O <sub>45</sub> S <sub>6</sub>
配列	GCLEFWWKCNPNDDKCCRPKLKCSKLFKLCNFSF (Modifications: Phe-34 = C-terminal amide, Disulfide bridges: 2-17, 9-23 and 16-30)
PubChem 登録番号	90488987
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water to 1mg/ml
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
由来	<i>Grammostola rosea</i>

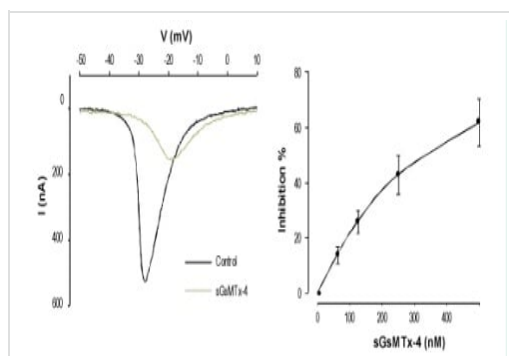
### 画像

Gly-Cys-Leu-Glu-Phe-Trp-Trp-Lys-Cys-Asn-Pro-Asn-Asp-  
Asp-Lys-Cys-Cys-Arg-Pro-Lys-Leu-Lys-Cys-Ser-Lys-Leu-  
Phe-Lys-Leu-Cys-Asn-Phe-Ser-Phe-NH<sub>2</sub>

(Disulfide bridges: 2-17, 9-23 and 16-30)

Chemical Structure - GsMTx-4, mechanosensitive  
and stretch-activated ion channel inhibitor  
(ab141871)

2D chemical structure image of ab141871, GsMTx-4,  
mechanosensitive and stretch-activated ion channel inhibitor



Functional Studies - GsMTx-4, mechanosensitive  
and stretch-activated ion channel inhibitor  
(ab141871)

GsMTx-4 (**ab141870**) inhibits Na<sub>v</sub>1.7 channel currents expressed in *Xenopus* oocytes. Na<sub>v</sub>1.7 currents were elicited by 100 ms voltage ramp from a holding potential of -100 mV to +30 mV, applied every 10 seconds using whole-cell voltage clamp technique. Left: Superimposed traces of Na<sub>v</sub>1.7 currents before (black) and during (green) application of 500 nM GsMTx-4 (**ab141870**). Right: GsMTx-4 dose response inhibition of Na<sub>v</sub>1.7 currents.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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