

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

★★★★★ [1 Abreviews](#) [29 References](#) [2 图像](#)

概述

产品名称	GsMTx-4, mechanosensitive and stretch-activated ion channel抑制剂
描述	Mechanosensitive and stretch-activated ion channel抑制剂
CAS编号	1209500-46-8
化学结构	<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-NH₂</p> <p>(Disulfide bridges: 2-17, 9-23 and 16-30)</p>

性能

分子量	4095.85
分子式	C ₁₈₅ H ₂₇₃ N ₄₉ O ₄₅ S ₆
序列	GCLEFWWKCNPNDDKCCRPKLKCSKLFKLCNFSF (Modifications: Phe-34 = C-terminal amide, Disulfide bridges: 2-17, 9-23 and 16-30)
PubChem识别号	90488987
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water to 1mg/ml
处理	<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 frequently asked questions (FAQ) page for more details.</p>
来源	<i>Grammostola rosea</i>

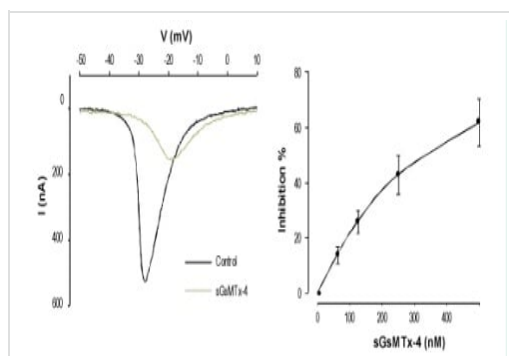
图片

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-NH₂

(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 NaV1.7 channel currents expressed in *Xenopus* oocytes. NaV1.7 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 NaV1.7 currents before (black) and during (green) application of 500 nM GsMTx-4 (**ab141870**). Right: GsMTx-4 dose response inhibition of NaV1.7 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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