



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

D-GsMTx4

Cat. No.:	HY-P1410B	
Molecular Formula:	C ₁₈₅ H ₂₇₃ N ₄₉ O ₄₅ S ₆	
Molecular Weight:	4095.84	d-(Gly-Cys-Leu-Glu-Phe-Trp-Trp-Lys-Cys-Asn-Pro-Asn-Asp-Asp-Lys-Cys-Cys-Arg-Pro-L-Arg-Pro-Lys-Leu-Lys-Cys-Ser-Lys-Leu-Phe-Lys-Leu-Cys-Asn-Phe-Ser-Phe)-NH ₂ (Disulfide bridge:Cys ₂ -Cys ₁₇ , Cys ₉ -Cys ₂₃ , Cys ₁₆ -Cys ₃₀)
Sequence:	d-(Gly-Cys-Leu-Glu-Phe-Trp-Trp-Lys-Cys-Asn-Pro-Asn-Asp-Asp-Lys-Cys-Cys-Arg-Pro-L-Arg-Pro-Lys-Leu-Lys-Cys-Ser-Lys-Leu-Phe-Lys-Leu-Cys-Asn-Phe-Ser-Phe)-NH ₂ (Disulfide bridge:Cys ₂ -Cys ₁₇ , Cys ₉ -Cys ₂₃ , Cys ₁₆ -Cys ₃₀)	
Sequence Shortening:	d-(GCLEFWWKCNPNDKCCRPKLKCSKLFKLCNFSF)-NH ₂ (Disulfide bridge:Cys ₂ -Cys ₁₇ , Cys ₉ -Cys ₂₃ , Cys ₁₆ -Cys ₃₀)	
Target:	Piezo Channel	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	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)	

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (24.42 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.2442 mL	1.2208 mL	2.4415 mL
	5 mM		0.0488 mL	0.2442 mL	0.4883 mL
	10 mM		0.0244 mL	0.1221 mL	0.2442 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

D-GsMTx4, a spider peptide, is the D-enantiomer of GsMTx4 (HY-P1410). D-GsMTx4 inhibits the mechanosensitive ion channel Piezo2. D-GsMTx4 can be used for research of mechanical stress^[1].

REFERENCES

[1]. Alcaïno C, Knutson K, Gottlieb PA, Farrugia G, Beyder A. Mechanosensitive ion channel Piezo2 is inhibited by D-GsMTx4. Channels (Austin). 2017 May 4;11(3):245-253. doi: 10.1080/19336950.2017.1279370. Epub 2017 Jan 13. Erratum for: Addendum to: Wang F, Knutson K, Alcaïno C, Linden DR, Gibbons SJ, Kashyap PK, Grover M, Oeckler R, Gottlieb PA, Li HJ, et al. Mechanosensitive ion channel Piezo2 is important for enterochromaffin cell response to mechanical forces. J Physiol. 2017; 595(1):79-91

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA