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<b>Product Name</b>	: D-GsMTx4	d-(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 bridge:Cys2-Cys17, Cys9-Cys23, Cys16-Cys30)
<b>Cat. No.</b>	: PC-26576	
<b>CAS No.</b>	:	
<b>Molecular Formula</b>	: C <sub>185</sub> H <sub>273</sub> N <sub>49</sub> O <sub>45</sub> S <sub>6</sub>	
<b>Molecular Weight</b>	: 4095.84	
<b>Target</b>	: Piezo Channel	
<b>Solubility</b>	: 10 mM in DMSO	

## Biological Activity

D-GsMTx4 is a spider peptide inhibitor of mechanosensitive ion channel Piezo2, inhibits [Ca<sup>2+</sup>]<sub>i</sub> elevation, inhibits mTOR and PI3K-Akt signaling pathways, inhibits mechanical allodynia and thermal hyperalgesia.

## References

Liu L, et al. 2023 Sep;60(9):5000-5012.

Jo MJ, et al. Pain Res Manag. 2024 Sep 27;2024:9179928.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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