

Ser-Ala-alloresact

Cat. No.:	HY-P3710
CAS No.:	140653-27-6
Molecular Formula:	C ₄₂ H ₇₁ N ₁₃ O ₁₄ S ₂
Molecular Weight:	1046.22
Sequence Shortening:	SAKLCPGGNCV (Disulfide bridge:Cys5-Cys10)
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Ser-Ala-alloresact is a sperm activating peptide (SAP). The peptides released from eggs of marine invertebrates play a central role in fertilization ^{[1][2]} .
In Vitro	Sperm-activating peptides involves in the regulation of ion fluxes, signal transduction (cGMP signaling) and motility ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Suzuki N, et al. A novel group of sperm activating peptides from the sea urchin *Glyptocidaris crenularis*. *Comp Biochem Physiol C Comp Pharmacol Toxicol*. 1988;90(2):305-11.
- [2]. Matsumoto M, et al. A sperm-activating peptide controls a cGMP-signaling pathway in starfish sperm. *Dev Biol*. 2003 Aug 15;260(2):314-24.
- [3]. Darszon A, et al. Sperm-activating peptides in the regulation of ion fluxes, signal transduction and motility. *Int J Dev Biol*. 2008;52(5-6):595-606.

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

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