

Speract

Cat. No.:	HY-P0245
CAS No.:	76901-59-2
Molecular Formula:	C ₃₈ H ₅₇ N ₁₁ O ₁₄
Molecular Weight:	891.92
Sequence:	Gly-Phe-Asp-Leu-Asn-Gly-Gly-Gly-Val-Gly
Sequence Shortening:	GFDLNGGGVG
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Speract, a sea urchin egg peptide that regulates sperm motility, also stimulates sperm mitochondrial metabolism.
In Vitro	Speract is a decapeptide from the outer jelly layer of the <i>Strongylocentrotus purpuratus</i> egg that upon binding to its receptor in the sperm, stimulates sperm motility, respiration and ion fluxes, among other physiological events. Speract increases NADH levels and depolarizes the sea urchin sperm mitochondrion ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. García-Rincón J, et al. Speract, a sea urchin egg peptide that regulates sperm motility, also stimulates sperm mitochondrial metabolism. *Biochim Biophys Acta*. 2016 Apr;1857(4):415-26.

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

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