
Product Data Sheet

Product Name: Speract
Cat. No.: GC31491

Chemical Properties

Cas. No. 76901-59-2

SMILES Gly-Phe-Asp-Leu-Asn-Gly-Gly-Gly-Val-Gly

Formula C₃₈H₅₇N₁₁O₁₄ M.Wt 891.92

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Speract, a sea urchin egg peptide that regulates sperm motility, also stimulates sperm mitochondrial metabolism.

Speract is a decapeptide from the outer jelly layer of the *Strongylocentrotus purpuratus* 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].

[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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA