
Product Data Sheet

Product Name: Egg Laying Hormone, aplysia

Cat. No.: GC35968

Chemical Properties

Cas. No. 117680-39-4

Formula $C_{190}H_{329}N_{59}O_{57}S$ M.Wt 4384.2

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

Egg Laying Hormone, aplysia is a neuropeptide synthesized by the bag cell neurons, which contains 36 amino acids and can stimulate egg laying and ovulation in Aplysia via electrical discharge triggering of neurons. Egg-laying hormone of Aplysia induces a voltage-dependent slow inward current carried by Na⁺ in an identified motoneuron[1][2].

[1]. Kirk MD, et al. Egg-laying hormone of Aplysia induces a voltage-dependent slow inward current carried by Na⁺ in an identified motoneuron. Proc Natl Acad Sci U S A. 1986 May;83(9):3017-21. [2]. Nuurai P, et al. Stimulatory Effects of Egg-Laying Hormone and Gonadotropin-Releasing Hormone on Reproduction of the Tropical Abalone, Haliotis asinina Linnaeus. Journal of Shellfish Research, 2010, 29(3):627-635.

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