
Product Data Sheet

Product Name: Leucokinin VIII (Leucokinin 8)

Cat. No.: GC34234

Chemical Properties

Cas. No.

SMILES Gly-Ala-Ser-Phe-Tyr-Ser-Trp-Gly-NH₂Formula C₄₂H₅₂N₁₀O₁₁ M.Wt 872.92

Solubility Soluble in Water 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**

Leucokinin VIII is an diuretic octapeptide isolated form head extracts of the cockroach.

Leucokinin VIII is an octapeptide, increases the rates of transepithelial NaCl, KCl and water secretion, increases the Cl conductance of the epithelial shunt via a receptor located at the basolateral side of the epithelium[1]. Leucokinin VIII also activates Ca²⁺-dependent signal pathway in principal cells of Aedes aegypti Malpighian tubules[2].

[1]. Pannabecker TL, et al. Regulation of epithelial shunt conductance by the peptide leucokinin. J Membr Biol. 1993 Feb;132(1):63-76. [2]. Yu MJ, et al. Leucokinin activates Ca(2+)-dependent signal pathway in principal cells of Aedes aegypti Malpighian tubules. Am J Physiol Renal Physiol. 2002 Sep;283(3):F499-508.

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