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## Product Data Sheet

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Product Name: Bombinin-Like Peptide BLP-1

Cat. No.: GC32299

### Chemical Properties

Cas. No. 138220-00-5

SMILES Gly-Ile-Gly-Ala-Ser-Ile-Leu-Ser-Ala-Gly-Lys-Ser-Ala-Leu-Lys-Gly-Leu-Ala-Lys-Gly-Leu-Ala-Glu-His-Phe-Ala-Asn-NH2

Formula C<sub>115</sub>H<sub>194</sub>N<sub>34</sub>O<sub>33</sub> M.Wt 2580.98

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

Bombinin-Like Peptide (BLP-1) is an antimicrobial peptide from Bombina species.

Bombinin-like peptides, BLP-1, 2, 3 share considerable, but not complete, homology with bombinin, an antimicrobial, hemolytic peptide first isolated from the skin of Bombina variegata. The BLPs have been assayed for antibiotic and hemolytic activity and found to be more potent than magainin 2 (a related antimicrobial peptide from Xenopus laevis) in their ability to kill bacteria[1].

[1]. Gibson BW, et al. Bombinin-like peptides with antimicrobial activity from skin secretions of the Asian toad, Bombina orientalis. J Biol Chem. 1991 Dec 5;266(34):23103-11.

**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