
Product Data Sheet

Product Name: PGLa
Cat. No.: GC32319

Chemical Properties

Cas. No. 102068-15-5

SMILES Gly-Met-Ala-Ser-Lys-Ala-Gly-Ala-Ile-Ala-Gly-Lys-Ile-Ala-Lys-Val-Ala-Leu-Lys-Ala-Leu-NH₂

Formula C₈₈H₁₆₂N₂₆O₂₂S M.Wt 1968.45

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

PGLa is an antimicrobial peptide. PGLa is known to be bacteriostatic against both Gram-positive and Gram-negative bacteria.

PGLa is known to be bacteriostatic against both Gram-positive and Gram-negative bacteria (*Escherichia coli*, *Pseudomonas aeruginosa*, *Streptococcus pyogenes*, and *Staphylococcus aureus*), without much selectivity between the two types of bacterial cells. PGLa is synthesized as a native (the wild type) peptide and as a mutant with a norleucine instead of methionine at position 2Met (designated PGLa(Nle)).

[1]. Radchenko DS, et al. Does a methionine-to-norleucine substitution in PGLa influence peptide-membrane interactions? *Biochim Biophys Acta*. 2016 Sep;1858(9):2019-27.

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

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