

## PGLa TFA (102068-15-5 free base)

## Chemical Properties

CAS No. :

Formula: C90H163F3N26O24S

Molecular Weight: 2082.47

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	PGLa TFA is a cationic antimicrobial peptide (AMP) originally isolated from frog. It has been shown to have antibacterial, antifungal, and antiviral activities.
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## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4802 mL	2.401 mL	4.802 mL
5 mM	0.096 mL	0.4802 mL	0.9604 mL
10 mM	0.048 mL	0.2401 mL	0.4802 mL
50 mM	0.0096 mL	0.048 mL	0.096 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Bechinger B, et al. Structure and dynamics of the antibiotic peptide PGLa in membranes by solution and solid-state nuclear magnetic resonance spectroscopy. Biophys J. 1998 Feb;74(2 Pt 1):981-7.

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