

## PapRIV TFA

## Chemical Properties

CAS No. :

Formula: C38H53N9O13.XCF3COOH

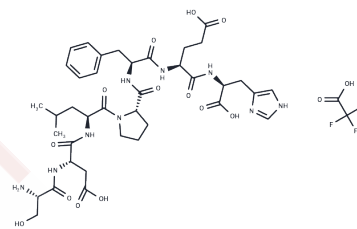
Molecular Weight: 843.90

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

PapRIV, a quorum-sensing heptapeptide derived from *B. cereus*, undergoes synthesis as a 48-amino acid polypeptide. This compound is secreted and then extracellularly processed by NprB proteases into its active form. At concentrations ranging from 1-25  $\mu\text{M}$ , PapRIV triggers the production of IL-6 and TNF- $\alpha$ , as well as NF- $\kappa\text{B}$  translocation, specifically in BV-2 microglia cells.

## Solubility Information

Solubility

H2O: soluble  
( $< 1$  mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.185 mL	5.9249 mL	11.8497 mL
5 mM	0.237 mL	1.185 mL	2.3699 mL
10 mM	0.1185 mL	0.5925 mL	1.185 mL
50 mM	0.0237 mL	0.1185 mL	0.237 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481