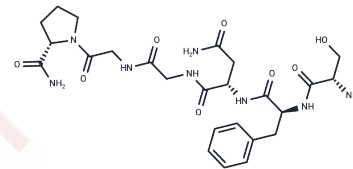


## SFNGGP-NH2

## Chemical Properties

CAS No. :	261521-21-5
Formula:	C <sub>25</sub> H <sub>36</sub> N <sub>8</sub> O <sub>8</sub>
Molecular Weight:	576.6
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	SFNGGP-NH2 is a biologically active peptide that interacts with Protease-Activated Receptor 3 (PAR-3), a high-affinity thrombin receptor. Human cutaneous mast cells express PAR-3 mRNA, implicating a role in itch mechanotransduction, with both histamine-dependent and independent pathways reported. While PAR-3 alone does not induce itch, it may potentiate itch when co-expressed with PAR-4, enhancing thrombin's action. This suggests that PAR-3's primary function is not as a signal transmitter across the membrane, but rather as a cofactor necessary for PAR-4 activation.
Targets(IC50)	Protease-activated Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7343 mL	8.6715 mL	17.343 mL
5 mM	0.3469 mL	1.7343 mL	3.4686 mL
10 mM	0.1734 mL	0.8672 mL	1.7343 mL
50 mM	0.0347 mL	0.1734 mL	0.3469 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481