

TG-Gln

## Chemical Properties

CAS No. : 948889-16-5  
 Formula: C54H91N19O20S  
 Molecular Weight: 1358.5  
 Storage: Keep away from moisture  
 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	TG-Gln, a substrate-type crosslinking agent with the sequence H-NQEQVSPLERCG-NH <sub>2</sub> serving as a glutamine donor peptide, is designed to target activated coagulation factor XIII transglutaminase (FXIIIa). This compound shows promise for regenerative medicine applications, such as inducing angiogenesis, cartilage repair, and wound healing.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7361 mL	3.6805 mL	7.3611 mL
5 mM	0.1472 mL	0.7361 mL	1.4722 mL
10 mM	0.0736 mL	0.3681 mL	0.7361 mL
50 mM	0.0147 mL	0.0736 mL	0.1472 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.

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