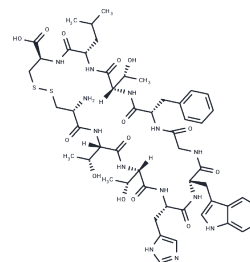


CTTHWGFTLC, CYCLIC

## Chemical Properties

CAS No. :	244082-19-7
Formula:	C52H71N13O14S2
Molecular Weight:	1166.33
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	This cyclic CTT Gelatinase Inhibitor peptide is an inhibitor for matrix metalloproteinases (MMP)-2 and MMP-9. It is also called type IV collagenase or gelatinase. Gelatinases are potential targets of therapeutic intervention in cancer, and inhibitors of these enzymes can prevent tumor progression.
Targets(IC50)	MMP

## Solubility Information

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

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8574 mL	4.287 mL	8.5739 mL
5 mM	0.1715 mL	0.8574 mL	1.7148 mL
10 mM	0.0857 mL	0.4287 mL	0.8574 mL
50 mM	0.0171 mL	0.0857 mL	0.1715 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

Medina OP, et al. Binding of novel peptide inhibitors of type IV collagenases to phospholipid membranes and use in liposome targeting to tumor cells in vitro. *Cancer Res.* 2001 May 15;61(10):3978-85.

**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