

CTTHWGFTLC, CYCLIC acetate(244082-19-7 free base)

Chemical Properties

CAS No. :

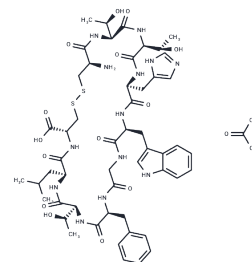
Formula: C54H75N13O16S2

Molecular Weight: 1226.39

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	CTTHWGFTLC, CYCLIC acetate 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	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8154 mL	4.077 mL	8.154 mL
5 mM	0.1631 mL	0.8154 mL	1.6308 mL
10 mM	0.0815 mL	0.4077 mL	0.8154 mL
50 mM	0.0163 mL	0.0815 mL	0.1631 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

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