

Product Data Sheet

Product Name: CTTHWGFTLC, CYCLIC TFA

Cat. No.: GC60114

Chemical Properties

Cas. No.

Formula $C_{54}H_{72}F_3N_{13}O_{16}S_2$ M.Wt 1280.35

Solubility DMSO : ≥ 50 mg/mL (39.05 mM) Storage Store at -20°C , protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

CTTHWGFTLC (Disulfide Bridge: Cys1-Cys10) (TFA salt)

Background

CTTHWGFTLC, CYCLIC TFA is a cyclic peptide inhibitor for matrix metalloproteinases MMP-2 and MMP-9. The IC_{50} value for MMP-9 is $\sim 8 \mu\text{M}$ [1].

CTTHWGFTLC, CYCLIC TFA inhibits endothelial and tumor cell migration in vitro[1].

CTTHWGFTLC, CYCLIC TFA inhibits tumor progression in vivo, in mouse models[1].

[1]. Medina OP, et al. Binding of novel peptide inhibitors of type IV collagenases to phospholipid

Caution: Product has not been fully validated for medical applications. For research use only.

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membranes and use in liposome targeting to tumor cells in vitro. Cancer Res. 2001 May 15;61(10):3978-85.

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