

## CTTHWGFTLC, CYCLIC TFA

Cat. No.:	HY-P1789A
Molecular Formula:	C <sub>54</sub> H <sub>72</sub> F <sub>3</sub> N <sub>13</sub> O <sub>16</sub> S <sub>2</sub>
Molecular Weight:	1280.35
Sequence:	Cys-Thr-Thr-His-Trp-Gly-Phe-Thr-Leu-Cys (Disulfide Bridge: Cys1-Cys10)
Sequence Shortening:	CTTHWGFTLC (Disulfide Bridge: Cys1-Cys10)
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

Description	CTTHWGFTLC, CYCLIC TFA is a cyclic peptide inhibitor for <b>matrix metalloproteinases MMP-2 and MMP-9</b> . The IC <sub>50</sub> value for MMP-9 is ~8 μM <sup>[1]</sup> .	
IC <sub>50</sub> & Target	MMP-2	MMP-9
In Vitro	CTTHWGFTLC, CYCLIC TFA inhibits endothelial and tumor cell migration in vitro <sup>[1]</sup> .	
In Vivo	CTTHWGFTLC, CYCLIC TFA inhibits tumor progression in vivo, in mouse models <sup>[1]</sup> .	

### REFERENCES

[1]. 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.

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

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