

Product Data Sheet

Product Name: Catestatin sCst TFA

Cat. No.: GC81377

Chemical Properties

Cas. No.

Formula $C_{104}H_{164}N_{32}O_{27}S \cdot xC_2HF_3O_2$ M.Wt 2326.68

Solubility DMSO: ≥ 100 mg/mL Storage Sealed storage, away from moisture

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

Met-Lys-Leu-Ser-Ser-Ser-Phe-Arg-Ala-
Tyr-Ala-Arg-Gly-Phe-Arg-Gly-Pro-Gly-
Pro-Gln-Leu (TFA salt)

Background

Catestatin sCst TFA is a scrambled control peptide that serves as a negative control for Catestatin TFA [1] [2].

In Vitro, Catestatin sCst (20 μ M; 1-6 h) TFA does not stimulate IL-8 mRNA expression in normal

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

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human keratinocytes^[2]. Catestatin sCst (20 μ M; 24 h) TFA does not stimulate IL-8 protein production from normal human keratinocytes^[2]. Catestatin sCst (1.25 μ M) TFA does not induce chemotaxis in normal human keratinocytes^[2]. Catestatin sCst (10 μ M; 5 min) TFA does not induce phosphorylation of ERK, p38, or JNK in normal human keratinocytes^[2].

References:

- [1]. Hoq MI, et al. Human catestatin enhances migration and proliferation of normal human epidermal keratinocytes. Journal of dermatological science. 2011 Nov;64(2):108-18.
- [2]. Aung G, et al. A neuroendocrine antimicrobial peptide, catestatin, stimulates interleukin-8 production from human keratinocytes via activation of mitogen-activated protein kinases. J Dermatol Sci. 2011 Feb;61(2):142-4.

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