

Product Data Sheet

Product Name: Synstatin (92-119)

Cat. No.: GC74395

Chemical Properties

Cas. No. 1259384-47-8

Formula $C_{133}H_{207}N_{35}O_{46}$

M.Wt 3032.27

Solubility H_2O : ≥ 100 mg/mL (32.98 mM)

Storage Sealed storage, away from moisture and light

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

LPAGEKPEEGEPVLHVAEAPGFTARDKE

Background

Synstatin (92-119) is an anti-tumor agent that inhibits angiogenesis and cancer cell invasion. Synstatin (92-119) down-regulates integrin $\alpha\beta_3$ and reduces the activation of angiogenic growth factors VEGF and FGF-2.

References:

[1]. Metwaly HA, et al. Inhibition of the signaling pathway of syndecan-1 by synstatin: A promising

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

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anti-integrin inhibitor of angiogenesis and proliferation in HCC in rats. Arch Biochem Biops. 2018 Aug 15;652:50-58.

[2]. Rapraeger AC. Synstatin: a selective inhibitor of the syndecan-1-coupled IGF1R- $\alpha\beta$ 3 integrin complex in tumorigenesis and angiogenesis. FEBS J. 2013 May;280(10):2207-15.

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