

Product Data Sheet

Product Name: Obtustatin triacetate

Cat. No.: GC74342

Chemical Properties

Cas. No.

Formula $C_{184}H_{284}N_{52}O_{57}S_8 \cdot 3C_2H_4O_2$ M.Wt 4573.21

Solubility DMSO : 100 mg/mL (21.87 mM; Need ultrasonic) 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

CTTGPCCRQCKLKPAGTTCWKTSLTSHYCTGKSCDCPLYPG
(Disulfide bridge: Cys₁-Cys₁₀, Cys₈-Cys₂₉, Cys₉-Cys₃₄, Cys₁₉-Cys₃₆) (triacetate salt)

Background

Obtustatin triacetate is a 41-residue non-RGD disintegrin. Obtustatin triacetate can be isolated from the venom of *Vipera lebetina obtusa*. Obtustatin triacetate is a potent and selective inhibitor of integrin $\alpha 1 \beta 1$ adhesion to type IV collagen. Obtustatin triacetate inhibits angiogenesis and may be used in cancer research.

References:

[1]. Paz Moreno-Murciano M, et al. NMR solution structure of the non-RGD disintegrin obtustatin. J

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

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Mol Biol. 2003 May 23;329(1):135-45.

[2]. Marcinkiewicz C, et al. Obtustatin: a potent selective inhibitor of alpha1beta1 integrin in vitro and angiogenesis in vivo. Cancer Res. 2003 May 1;63(9):2020-3.

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