

Product Data Sheet

Product Name: DT-6
Cat. No.: GC73653

Chemical Properties

Cas. No. 2414315-95-8

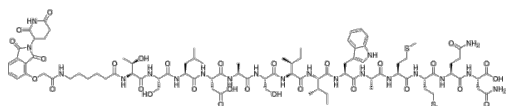
Formula $C_{89}H_{130}N_{20}O_{29}S_2$ M.Wt 2008.23

Solubility DMSO : 100 mg/mL (49.80 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



Background

DT-6 is an effective TGF- β 1 inhibitor. DT-6 inhibits M2 macrophage induced epithelial to mesenchymal transition and invasive migration of cancer cells. DT-6 can be used for cancer diseases research.

DT-6 (0.1-50 μ M, 0-18 h) reduces the protein level of TGF- β 1 in THP-1, BV2, A549, MCF-7, U87, and HepG2 cells[1]. DT-6 (50 μ M, 24 h) decreases the secreted TGF- β 1 in conditional medium (CM) of M2 macrophages[1]. DT-6 (20 μ M, 50 μ M, 24 h, 48 h) inhibits the inductive ability of M2

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

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macrophages towards epithelial to mesenchymal transition (EMT) and invasive migration of cancer cells through reducing TGF- β 1 secretion[1].

References:

[1]. Feng Y, et al. Degradation of intracellular TGF- β 1 by PROTACs efficiently reverses M2 macrophage induced malignant pathological events. Chem Commun (Camb). 2020 Mar 5;56(19):2881-2884.

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