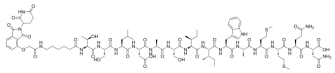
DT-6

Cat. No.:	HY-156512
CAS No.:	2414315-95-8
Molecular Formula:	$C_{89}H_{130}N_{20}O_{29}S_2$
Molecular Weight:	2008.23
Target:	TGF-beta/Smad
Pathway:	Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DT-6 is an effective TGF-β1 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[1].
IC_{50} & Target	TGF-β[1]
In Vitro	DT-6 (0.1-50 μM, 0-18 h) reduces the protein level of TGF-β1 in THP-1, BV2, A549, MCF-7, U87, and HepG2 cells[1]. DT-6 (50 μM, 24 h) decreases the secreted TGF-β1 in conditional medium (CM) of M2 macrophages[1]. DT-6 (20 μM,50 μM, 24 h, 48 h) inhibits the inductive ability of M2 macrophages towards epithelial to mesenchymal transition (EMT) and invasive migration of cancer cells through reducing TGF-β1 secretion[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Feng Y, et al. Degradation of intracellular TGF-β1 by PROTACs efficiently reverses M2 macrophage induced malignant pathological events. Chem Commun (Camb). 2020 Mar 5;56(19):2881-2884.

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