

Product Data Sheet

Product Name: UU-T02
Cat. No.: GF00299

Chemical Properties

Cas. No. 1500080-17-0

Formula C33H33ClN4O9 M.Wt 665.096

Solubility DMSO : 125 mg/mL (187.94 mM; Need ultrasonic) Storage -20°C, 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

UU-T02 is a novel potent, selective small-molecule inhibitor of 尾-Catenin/T-cell factor protein-protein interaction (尾-catenin/Tcf PPI) with a K_i of 1.36 μ M. UU-T02 inhibits canonical Wnt signaling and the growth of colorectal cancer cells.

UU-T02 displays K_i values of 1.4 μ M and 1.3 μ M for 尾-catenin/Tcf PPI in FP assay and in AlphaScreen assay, respectively^[2].

UU-T02 inhibits 尾-catenin/Tcf4, 尾-catenin/E-cadherin, 尾-catenin/APC-R3, with the IC_{50} of 6.3, 680,

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

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210 渭M铕亮espectively^[2].

[1]. Huang Z, et al. Targeting the Tcf4 G13ANDE17 binding site to selectively disrupt 尾-catenin/T-cell factor protein-protein interactions. ACS Chem Biol. 2014;9(1):193-201.

[2]. Catrow JL, et al. Discovery of Selective Small-Molecule Inhibitors for the 尾-Catenin/T-Cell Factor Protein-Protein Interaction through the Optimization of the Acyl Hydrazone Moiety. J Med Chem. 2015;58(11):4678-4692.

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