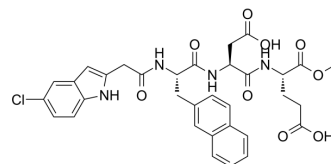


UU-T02

Cat. No.:	HY-117233
CAS No.:	1500080-17-0
Molecular Formula:	C ₃₃ H ₃₃ ClN ₄ O ₉
Molecular Weight:	665.09
Target:	β-catenin; Wnt
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UU-T02 is a novel potent, selective small-molecule inhibitor of β-Catenin/T-cell factor protein-protein interaction (β-catenin/Tcf PPI) with a K _i of 1.36 μM ^[1] . UU-T02 inhibits canonical Wnt signaling and the growth of colorectal cancer cells ^[2] .
IC₅₀ & Target	Ki: 1.36 μM (β-catenin/Tcf PPI) ^[1] . IC ₅₀ : 6.3 μM (β-catenin/Tcf4), 680 μM (β-catenin/E-cadherin), 210 μM (β-catenin/APC-R3) ^[2] .
In Vitro	UU-T02 displays K _i values of 1.4 μM and 1.3 μM for β-catenin/Tcf PPI in FP assay and in AlphaScreen assay, respectively ^[2] . UU-T02 inhibits β-catenin/Tcf4, β-catenin/E-cadherin, β-catenin/APC-R3, with the IC ₅₀ of 6.3, 680, 210 μM respectively ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Huang Z, et al. Targeting the Tcf4 G13ANDE17 binding site to selectively disrupt β-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 β-Catenin/T-Cell Factor Protein-Protein Interaction through the Optimization of the Acyl Hydrazone Moiety. J Med Chem. 2015;58(11):4678-4692.

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

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