



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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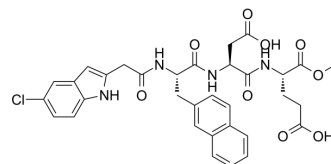
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## UU-T02

Cat. No.:	HY-117233	
CAS No.:	1500080-17-0	
Molecular Formula:	C <sub>33</sub> H <sub>33</sub> ClN <sub>4</sub> O <sub>9</sub>	
Molecular Weight:	665.09	
Target:	β-catenin; Wnt	
Pathway:	Stem Cell/Wnt	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (187.94 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5036 mL	7.5178 mL	15.0356 mL
5 mM	0.3007 mL	1.5036 mL	3.0071 mL
10 mM	0.1504 mL	0.7518 mL	1.5036 mL

Please refer to the solubility information to select the appropriate solvent.

### 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<sub>i</sub> of 1.36 μM<sup>[1]</sup>. UU-T02 inhibits canonical Wnt signaling and the growth of colorectal cancer cells<sup>[2]</sup>.

#### IC<sub>50</sub> & Target

K<sub>i</sub>: 1.36 μM (β-catenin/Tcf PPI)<sup>[1]</sup>.  
 IC<sub>50</sub>: 6.3 μM (β-catenin/Tcf4), 680 μM (β-catenin/E-cadherin), 210 μM (β-catenin/APC-R3)<sup>[2]</sup>.

#### In Vitro

UU-T02 displays K<sub>i</sub> values of 1.4 μM and 1.3 μM for β-catenin/Tcf PPI in FP assay and in AlphaScreen assay, respectively<sup>[2]</sup>. UU-T02 inhibits β-catenin/Tcf4, β-catenin/E-cadherin, β-catenin/APC-R3, with the IC<sub>50</sub> of 6.3, 680, 210 μM respectively<sup>[2]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Int J Mol Sci. 2023 Apr 4, 24(7), 6733.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Huang Z, et al. Targeting the Tcf4 G13ANDE17 binding site to selectively disrupt  $\beta$ -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  $\beta$ -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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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