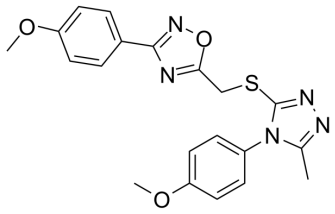
TC-E 5001

Cat. No.:	HY-108516
CAS No.:	865565-29-3
Molecular Formula:	$C_{20}H_{19}N_5O_3S$
Molecular Weight:	409.46
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TC-E 5001 is an inhibitor of Wnt pathway that inhibits tankyrase 1/2 (TNKS1/2) via novel adenosine pocket binding, with K_ds of 79 nM and 28 nM, respectively. TC-E 5001 also inhibits Axin2 and STF, with IC_{50}s of 0.709 μM and 0.215 μM, respectively[1] [2].	
IC_{50} & Target	TNKS1 79 nM (Ki)	TNKS2 28 nM (Ki)
In Vitro	TC-E 5001 inhibits TNKS2, with an IC_{50} of 33 nM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Shultz MD, et, al. [1,2,4]triazol-3-ylsulfanylmethyl)-3-phenyl-[1,2,4]oxadiazoles: antagonists of the Wnt pathway that inhibit tankyrases 1 and 2 via novel adenosine pocket binding. J Med Chem. 2012 Feb 9;55(3):1127-36.

[2]. Lien VT, et, al. Towards dual inhibitors of the MET kinase and WNT signaling pathway; design, synthesis and biological evaluation. RSC Advances. 2019 Jour; 9(63): 37092-37100.

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