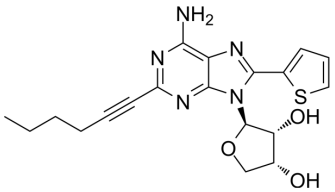
LJ-4517

Cat. No.:	HY-151139
CAS No.:	2988849-20-1
Molecular Formula:	$C_{19}H_{21}N_5O_3S$
Molecular Weight:	399.47
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LJ-4517 is a potent $A_{2A}AR$ antagonist, with a K_i of 18.3 nM. LJ-4517 is potent in displacing the binding of [^{3}H]ZM241385 (HY-19532) at WT $A_{2A}AR$[1]. LJ-4517 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.
IC_{50} & Target	A2AR 18.3 nM (Ki)
In Vitro	LJ-4517 (10 μM) induces cAMP accumulation[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shiriaeva A, et al. GPCR Agonist-to-Antagonist Conversion: Enabling the Design of Nucleoside Functional Switches for the A2A Adenosine Receptor. J Med Chem. 2022 Aug 17.

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