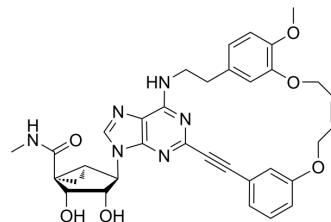


A3AR agonist 2

Cat. No.:	HY-155184
Molecular Formula:	C ₃₄ H ₃₄ N ₆ O ₆
Molecular Weight:	622.67
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	A3AR agonist 2 (Compound 19) is a selective A3AR agonist (K _i : 22.1 nM). A3AR agonist 2 stimulates β-arrestin2 recruitment, with EC ₅₀ value of 4.36 nM. A3AR agonist 2 can be used for research of inflammatory diseases, ischemia, cancer, neuropathic pain, liver diseases, and other chronic conditions ^[1] . A3AR agonist 2 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	Ki: 22.1 nM (A3AR) ^[1]

REFERENCES

[1]. Dilip K. Tosh, et al. First Potent Macrocyclic A3 Adenosine Receptor Agonists Reveal G-Protein and β-Arrestin2 Signaling Preferences. ACS Pharmacol. Transl. Sci. 2023.

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

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