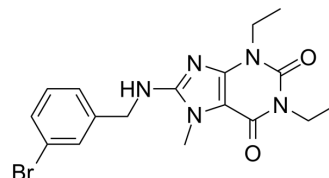


Adenosine receptor inhibitor 2

Cat. No.:	HY-147908
CAS No.:	2550401-76-6
Molecular Formula:	C ₁₇ H ₂₀ BrN ₅ O ₂
Molecular Weight:	406.28
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Adenosine receptor inhibitor 2 (compound 14b) is a potent AR (adenosine receptor) inhibitor. Adenosine receptor inhibitor 2 shows dual affinity toward A ₁ /A _{2A} ARs with higher affinity for the A ₁ - than the A _{2A} AR. Adenosine receptor inhibitor 2 has K _i values of 52.2 nM for the A ₁ AR and 167 nM for the A _{2A} AR ^[1] .			
IC₅₀ & Target	A ₁ AR 52.2 ± 8.5 nM (K _i)	A _{2A} AR 167 ± 22 nM (K _i)	hA _{2B} >1000 nM (K _i)	Adenosine A ₃ receptor >1000 nM (K _i)

REFERENCES

[1]. Załuski M, et al. 8-Benzylaminoxanthine scaffold variations for selective ligands acting on adenosine A_{2A} receptors. Design, synthesis and biological evaluation. Bioorg Chem. 2020 Aug;101:104033.

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

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