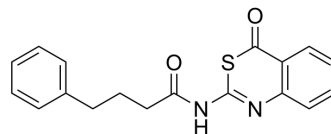


A2AAR/hMAO-B-IN-1

Cat. No.:	HY-120826
CAS No.:	1439488-21-7
Molecular Formula:	C ₁₈ H ₁₆ N ₂ O ₂ S
Molecular Weight:	324.4
Target:	Monoamine Oxidase; Adenosine Receptor
Pathway:	Neuronal Signaling; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

A2AAR/hMAO-B-IN-1 (compound 17) is a non-xanthine dual-target inhibitor targeting the A2A adenosine receptor (A2AAR) (IC₅₀: 34.9 nM) and MAO-B (Ki: 39.5 nM, human). A2AAR/hMAO-B-IN-1 inhibits A2AAR-induced cAMP accumulation and exhibits competitive, reversible inhibition of MAO-B. A2AAR/hMAO-B-IN-1 can be used in the study of neurodegenerative diseases such as Parkinson's disease (PD)^[1].

REFERENCES

[1]. Stössel A, et al. Dual targeting of adenosine A(2A) receptors and monoamine oxidase B by 4H-3,1-benzothiazin-4-ones. J Med Chem. 2013 Jun 13;56(11):4580-96.

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

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