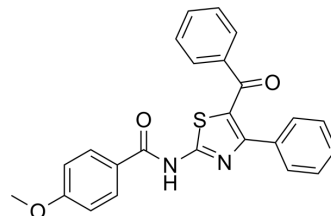


A1/A3 AR antagonist 1

Cat. No.:	HY-146478
CAS No.:	312929-49-0
Molecular Formula:	C ₂₄ H ₁₈ N ₂ O ₃ S
Molecular Weight:	414.48
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	A1/A3 AR antagonist 1 (compound 10) is a potent adenosine 1 (A1) and adenosine 3 (A3) receptor dual antagonist with K _i s of 36.7 nM, 25.4 nM and 1.47 nM for human A1, human A3 and rat A1, respectively. A1/A3 AR antagonist 1 can be used for researching kidney failure, inflammatory pulmonary diseases, and Alzheimer's disease ^[1] .		
IC₅₀ & Target	human A1 36.7 nM (K _i)	rat A1 1.47 nM (K _i)	human A3 25.4 nM (K _i)

REFERENCES

[1]. Abdelrahman A, et al. Substituted 4-phenylthiazoles: Development of potent and selective A1, A3 and dual A1/A3 adenosine receptor antagonists. *Eur J Med Chem.* 2020;186:111879.

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

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