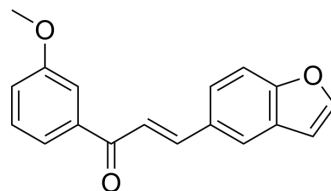


A2AAR antagonist 2

Cat. No.:	HY-N12422
Molecular Formula:	C ₁₈ H ₁₄ O ₃
Molecular Weight:	278.3
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3'-Methoxyfurano[4'',5'':3,4]chalcone (compound 2) is a selective A _{2A} AR antagonist (IC ₅₀ =33.5 nM) with high affinity. 3'-Methoxyfurano[4'',5'':3,4]chalcone is also a natural product obtained from the bark of <i>Allium cepa</i> L. 3'-Methoxyfurano[4'',5'':3,4]chalcone can promote T cell activation and can be used in cancer immunity research ^[1] .
IC ₅₀ & Target	A2a adenosine receptor 33.5 nM (IC ₅₀)

REFERENCES

[1]. Zhang RJ, et al. Exploring the Immunomodulatory Properties of Red Onion (*Allium cepa* L.) Skin: Isolation, Structural Elucidation, and Bioactivity Study of Novel Onion Chalcones Targeting the A2A Adenosine Receptor. *J Agric Food Chem.* 2023 Nov 6.

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

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