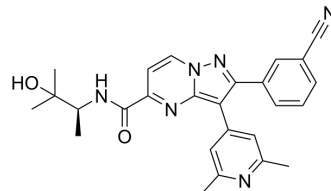


## A2A receptor antagonist 3

Cat. No.:	HY-148076
CAS No.:	2738606-83-0
Molecular Formula:	C <sub>26</sub> H <sub>26</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	454.52
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	A2A receptor antagonist 3 (Example 92) is an adenosine A2a receptor antagonist with a K <sub>i</sub> of 0.4 nM. A2A receptor antagonist 3 also binds to A2b, A1 and A3 receptor with K <sub>i</sub> s of 37, 107 and 1467 nM, respectively <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	A2AR 0.4 nM (K <sub>i</sub> )	A2BR 37 nM (K <sub>i</sub> )	A1R 107 nM (K <sub>i</sub> )	A3R 1467 nM (K <sub>i</sub> )
<b>In Vitro</b>	A2A receptor antagonist 3 (Example 92) (24 h) inhibits CD3/CD28 stimulated IL-2 release with an IC <sub>50</sub> of 0.004 μM <sup>[1]</sup> . A2A receptor antagonist 3 (20 min) inhibits pCREB in CD8+T cells in human whole blood with an IC <sub>50</sub> of 0.02 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

### REFERENCES

[1]. Clive Mccarthy, et al. Antagonists of the adenosine a2a receptor. Patent WO2021224636 A1.

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

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