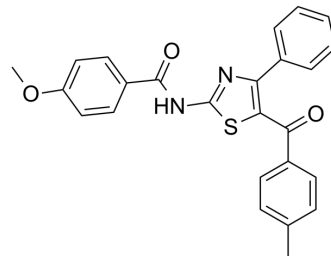


## A1AR antagonist 3

Cat. No.:	HY-146456
CAS No.:	2413257-73-3
Molecular Formula:	C <sub>25</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	428.5
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	A1AR antagonist 3 (compound 13) is a selective adenosine 1 (A1) receptor antagonist with K <sub>i</sub> s of 9.69 nM and 0.529 nM for human A1 and rat A1, respectively. A1AR antagonist 3 can be used for researching neurological diseases <sup>[1]</sup> .	
IC <sub>50</sub> & Target	human A1 9.69 nM (K <sub>i</sub> )	rat A1 0.529 nM (K <sub>i</sub> )

### 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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