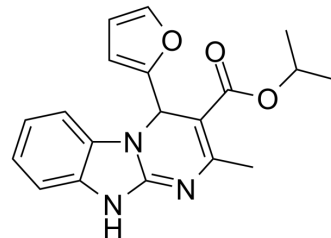


ISAM-140

Cat. No.:	HY-111082
CAS No.:	932191-62-3
Molecular Formula:	C ₁₉ H ₁₉ N ₃ O ₃
Molecular Weight:	337.37
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ISAM-140 (22b) is a potent and highly selective A _{2B} adenosine receptor antagonist with a K _i of 3.49 nM ^[1] .
IC ₅₀ & Target	hA _{2B} 3.49 nM (K _i)
In Vitro	ISAM-140 (22b) (0.1-100 μM) inhibits NECA (5'-N-ethylcarboxamido adenosine)-stimulated cAMP accumulation ^[1] . ISAM-140 shows a K _B value of 27.00 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. El Maatougui A, et al. Discovery of Potent and Highly Selective A_{2B} Adenosine Receptor Antagonist Chemotypes. J Med Chem. 2016 Mar 10;59(5):1967-83.

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

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