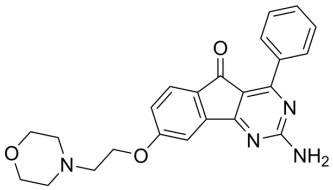
JNJ-40255293

Cat. No.:	HY-122105
CAS No.:	1147271-25-7
Molecular Formula:	$C_{23}H_{22}N_4O_3$
Molecular Weight:	402.45
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JNJ-40255293 is a high-affinity human A_{2A} receptor antagonist with a KiK_i of 7.5 nM. JNJ-40255293 can be used in the research of neurodegenerative diseases such as Parkinson's disease[1].
In Vivo	JNJ-40255293 (0.1-10 mg/kg, p.o.) can reverse haloperidol (HY-14538)-induced catalepsy in male Balb/c mice. In male Wistar rats, JNJ-40255293 also dose-dependently reversed haloperidol (0.63 mg/kg, subcutaneous injection)-induced catalepsy, enhanced active arousal, and significantly reversed reserpine (HY-N0480) caused deficits in motor activity[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. John R Atack, et al. JNJ-40255293, a novel adenosine A2A/A1 antagonist with efficacy in preclinical models of Parkinson's disease. ACS Chem Neurosci. 2014 Oct 15;5(10):1005-19.

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