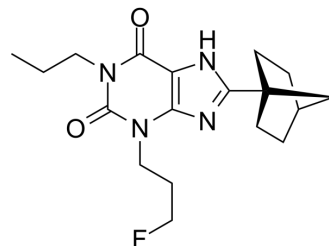


1-NBX

Cat. No.:	HY-161418
Molecular Formula:	C ₁₈ H ₂₅ FN ₄ O ₂
Molecular Weight:	348.42
Target:	Adenosine Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-NBX is a potent and selective A₁R ligand. 1-NBX exhibits significantly improved A₁R affinity with a K_i of 2.6 nM and lower affinity for the A_{2A} receptor with a K_i of 164 nM. [¹⁸F]1-NBX acts as a promising candidate for further preclinical evaluation as potential PET tracer for A₁R imaging^[1].

REFERENCES

[1]. Swen Humpert, et al. 8-Bicycloalkyl-CPFPX derivatives as potent and selective tools for in vivo imaging of the A1 adenosine receptor. Eur J Med Chem. 2024 Apr 6;271:116380.

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

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