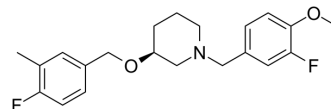


D4R antagonist-1

Cat. No.:	HY-145905
CAS No.:	2846077-19-6
Molecular Formula:	C ₂₁ H ₂₅ F ₂ NO ₂
Molecular Weight:	361.43
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D4R antagonist-1 is a potent and selective D4R antagonist with an IC ₅₀ of 6.87 μM. D4R antagonist-1 has the potential for the research of Parkinson's disease ^[1] .
IC ₅₀ & Target	D ₄ Receptor 6.87 μM (IC ₅₀)
In Vitro	D4R antagonist-1 (compound 8c) shows good activity with an K _i of 135 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tolentino KT, et al. Discovery and characterization of benzyloxy piperidine based dopamine 4 receptor antagonists. *Bioorg Med Chem Lett*. 2022; 61:128615.

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

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