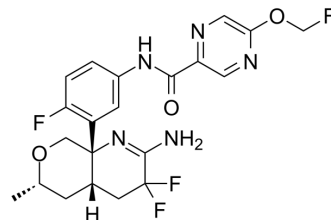


BACE-1 inhibitor 2

Cat. No.:	HY-131068
Molecular Formula:	C ₂₁ H ₂₁ F ₄ N ₃ O ₃
Molecular Weight:	467.42
Target:	Beta-secretase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BACE-1 inhibitor 2 is a potent and CNS permeable BACE-1 inhibitor with an IC ₅₀ of 1.5 nM in BACE-1 enzymatic assay ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.5 nM (BACE-1) ^[1]
In Vitro	BACE-1 inhibitor 2 inhibits Aβ ₄₂ production in human neuroblastoma cell lines with an IC ₅₀ of 3.5 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Aldo Peschiulli, et al. 3,3-Difluoro-3,4,5,6-tetrahydropyridin-2-amines: Potent and Permeable BACE-1 Inhibitors. *Bioorg Med Chem Lett*. 2020 Apr 15;30(8):126999.

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

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