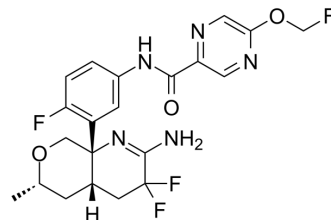


## BACE-1 inhibitor 2

Cat. No.:	HY-131068
CAS No.:	2563970-92-1
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> F <sub>4</sub> N <sub>5</sub> O <sub>3</sub>
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 <sub>50</sub> of 1.5 nM in BACE-1 enzymatic assay <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1.5 nM (BACE-1) <sup>[1]</sup>
In Vitro	BACE-1 inhibitor 2 inhibits Aβ <sub>42</sub> production in human neuroblastoma cell lines with an IC <sub>50</sub> of 3.5 nM <sup>[1]</sup> . 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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