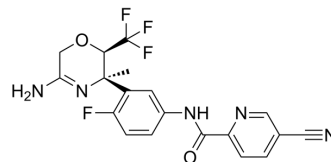


BACE1-IN-2

Cat. No.:	HY-112444
CAS No.:	1352416-78-4
Molecular Formula:	C ₁₉ H ₁₅ F ₄ N ₅ O ₂
Molecular Weight:	421.35
Target:	Beta-secretase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BACE1-IN-2 is a 1,4-Oxazine β -Secretase 1 (BACE1) inhibitor with an IC ₅₀ of 22 nM ^[1] .
IC ₅₀ & Target	BACE1
In Vitro	BACE1-IN-2 (Compound 3) is 10-fold more potent toward BACE1 than BACE2, inhibition of which may lead to hair depigmentation. BACE1-IN-2 inhibits hA β 42 cell with an IC ₅₀ of 6.0 nM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gijssen HJM, et al. Optimization of 1,4-Oxazine β -Secretase 1 (BACE1) Inhibitors Toward a Clinical Candidate. J Med Chem. 2018 Jun 28;61(12):5292-5303.

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

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