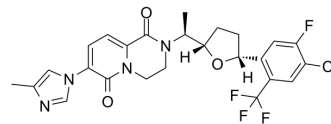


PF-06648671

Cat. No.:	HY-120789		
CAS No.:	1587727-31-8		
Molecular Formula:	C ₂₅ H ₂₃ ClF ₄ N ₄ O ₃		
Molecular Weight:	538.92		
Target:	γ-secretase		
Pathway:	Neuronal Signaling; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	PF-06648671 is a novel, brain-penetrable, and orally active γ-secretase modulator (GSM). PF-06648671 reduces Aβ ₄₂ and Aβ ₄₀ , with concomitant increases in Aβ ₃₇ and Aβ ₃₈ in vitro. PF-06648671 is used for the study of Alzheimer's disease ^[1] .
IC₅₀ & Target	IC ₅₀ : γ-secretase ^[1]
In Vitro	In a cell-based assay, PF-06648671 reduces Aβ ₄₂ and Aβ ₄₀ , with concomitant increases in Aβ ₃₇ and Aβ ₃₈ , without inhibiting the cleavage of Notch or other substrates ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PF-06648671 demonstrates reduces Aβ ₄₂ within the brain and CSF following acute oral administration in animals ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jae Eun Ahn, et al. Pharmacokinetic and Pharmacodynamic Effects of a γ-Secretase Modulator, PF-06648671, on CSF Amyloid-β Peptides in Randomized Phase I Studies. Clin Pharmacol Ther 2020 Jan;107(1):211-220.

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

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