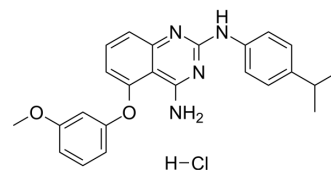


Yhhu-3792 hydrochloride

Cat. No.:	HY-120782A
CAS No.:	2624336-93-0
Molecular Formula:	C ₂₄ H ₂₅ ClN ₄ O ₂
Molecular Weight:	436.93
Target:	Notch
Pathway:	Neuronal Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Yhhu-3792 hydrochloride enhances the self-renewal capability of neural stem cells (NSCs). Yhhu-3792 hydrochloride activates Notch signaling pathway and promotes the expression of Hes3 and Hes5. Yhhu-3792 hydrochloride expands the NSCs pool and promotes endogenous neurogenesis in the hippocampal dentate gyrus (DG) in mouse. Yhhu-3792 hydrochloride increases the spatial and episodic memory abilities of mice. Yhhu-3792 hydrochloride has the potential for the research of impairment of learning and memory associated DG dysfunction^[1].

REFERENCES

[1]. Lu H, et al. A Novel 2-Phenylamino-Quinazoline-Based Compound Expands the Neural Stem Cell Pool and Promotes the Hippocampal Neurogenesis and the Cognitive Ability of Adult Mice. *Stem Cells*. 2018 Aug;36(8):1273-1285.

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

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