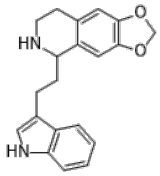
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Data Sheet

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Product Name	:	TFEB activator 3
Cat. No.	:	PC-28578
CAS No.	:	3027413-48-2
Molecular Formula	:	$C_{20}H_{20}N_2O_2$
Molecular Weight	:	320.39
Target	:	Autophagy
Solubility	:	10 mM in DMSO



CAS: 3027413-48-2

Biological Activity

TFEB activator 3 is a brain penetrant small molecule activator of transcription factor EB (TFEB), promotes TFEB nuclear translocation and lysosome biogenesis by targeting the DAT-CDK9-TFEB pathway.
TFEB activator 3 alleviates AD-like symptoms in APP/PS1 mice by inducing lysosome biogenesis.
TFEB activator 3 reduces brain Aβ plaques and improves the memory of APP/PS1 mice.
TFEB activator 3 effectively improves learning, memory, and cognitive function in APP/PS1 mice via enhancing lysosome biogenesis and Aβ clearance.

References

Jianhui Zhou, et al. J Med Chem. 2024 Jun 13;67(11):8836-8861.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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