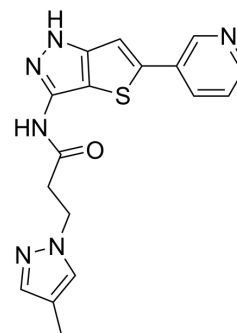


GSK-3 β inhibitor 15

Cat. No.:	HY-149542
Molecular Formula:	C ₁₇ H ₁₆ N ₆ OS
Molecular Weight:	352.41
Target:	Tau Protein; Apoptosis; GSK-3
Pathway:	Neuronal Signaling; Apoptosis; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

GSK-3 β inhibitor 15 (Compound 54) is a GSK-3 β inhibitor (IC₅₀: 3.4 nM). GSK-3 β inhibitor 15 inhibits A β ₁₋₄₂-induced GSK-3 β and tau protein phosphorylation. GSK-3 β inhibitor 15 inhibits LPS-induced iNOS expression. GSK-3 β inhibitor 15 has neuroprotective effects on A β ₁₋₄₂-induced neurotoxicity. GSK-3 β inhibitor 15 can be used for research of Alzheimer's disease (AD)^[1].

REFERENCES

[1]. Ning Yan, et al. Synthesis and biological evaluation of thieno[3,2-c]pyrazol-3-amine derivatives as potent glycogen synthase kinase 3 β inhibitors for Alzheimer's disease. *Bioorganic Chemistry* Volume 138, September 2023, 106663.

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

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