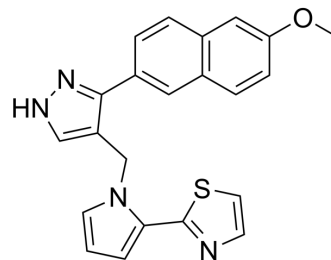


MG-1102

Cat. No.:	HY-160481
CAS No.:	2567913-75-9
Molecular Formula:	C ₂₂ H ₁₈ N ₄ OS
Molecular Weight:	386.47
Target:	Tau Protein; MicroRNA
Pathway:	Neuronal Signaling; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MG-1102 is first-in-class dual binder of monomeric tau and pre-miRNA-146a. MG-1102 shows specific inhibition of miRNA146a with IC₅₀s of 0.21 mM and 0.36 mM specific inhibition of doublelabeled pre-miRNA146a and mono-labeled pre-miRNA146a, respectively. MG-1102 interacts with tau monomers with a K_d of 3.21 mM by surface plasmon resonance (SPR). MG-1102 is a potential multi-target-directed ligands (MTDLs) for Alzheimer's disease (AD)^[1].

REFERENCES

[1]. Moustafa T. Gabr, et al. First dual binder of microRNA-146a and monomeric tau: a novel approach for multitargeted therapeutics for neurodegenerative diseases. Barbault, Chem. Commun., 2020

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

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