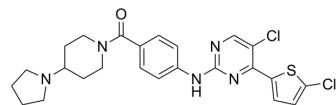


PfGSK3/PfPK6-IN-2

Cat. No.:	HY-151575
CAS No.:	2797225-47-7
Molecular Formula:	C ₂₄ H ₂₅ Cl ₂ N ₅ OS
Molecular Weight:	502.46
Target:	GSK-3
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PfGSK3/PfPK6-IN-2 is a potent dual PfGSK3/PfPK6 (Plasmodium falciparum GSK3/PK6) inhibitor (IC ₅₀ : 172 nM and 11 nM respectively). PfGSK3/PfPK6-IN-2 can be used in the research of Malaria ^[1] .
IC ₅₀ & Target	Plasmodium falciparum GSK3/PK6 (PfGSK3/PfPK6) ^[1]
In Vitro	PfGSK3/PfPK6-IN-2 (compound 23d) inhibits P. falciparum 3D7 load in erythrocytes (EC ₅₀ : 552 nM) ^[1] . PfGSK3/PfPK6-IN-2 (2 μM) shows cytotoxicity against HepG2 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Galal KA, et al. Identification of Novel 2,4,5-Trisubstituted Pyrimidines as Potent Dual Inhibitors of Plasmodial PfGSK3/PfPK6 with Activity against Blood Stage Parasites In Vitro. J Med Chem. 2022 Oct 13;65(19):13172-13197.

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

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