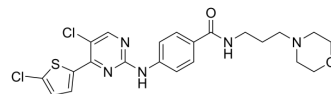


## PfGSK3/PfPK6-IN-1

Cat. No.:	HY-151574
CAS No.:	2797225-49-9
Molecular Formula:	C <sub>22</sub> H <sub>23</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>2</sub> S
Molecular Weight:	492.42
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PfGSK3/PfPK6-IN-1 (compound 23e) is a potent inhibitor of plasmodial kinases PfGSK3 and PfPK6, with IC <sub>50</sub> s of 97 nM and 8 nM, respectively. PfGSK3/PfPK6-IN-1 exerts antiparasmodial activity against blood stage Pf3D7 parasites with an EC <sub>50</sub> value of 1.4 mM <sup>[1]</sup> .
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### 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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