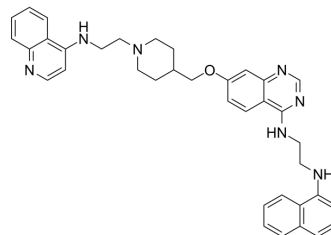


DNMT-IN-3

Cat. No.:	HY-149289
CAS No.:	1683516-27-9
Molecular Formula:	C ₃₇ H ₃₉ N ₇ O
Molecular Weight:	597.75
Target:	Parasite; DNA Methyltransferase
Pathway:	Anti-infection; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DNMT-IN-3 is an DNA Methyltransferase (DNMT) inhibitor, and plays an antimalarial role with IC ₅₀ of 60 nM against Plasmodium falciparum (Plasmodium). DNMT-IN-3 can be used for malaria related research ^[1] .
IC ₅₀ & Target	Plasmodium
In Vitro	DNMT-IN-3 (Compound 70) (30 μM, 1 hour) makes EIF3i protein in parasite protein extracts stable from 40 °C until 52 °C in the Cellular Thermal Shift Assay (CETSA) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dobrescu I, et.al. Plasmodium falciparum Eukaryotic Translation Initiation Factor 3 is Stabilized by Quinazoline-Quinoline Bisubstrate Inhibitors. ACS Infect Dis. 2023 Jun 9; 9(6):1257-1266.

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

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