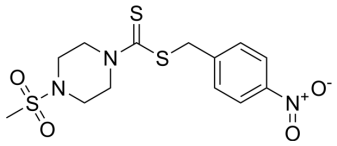
Antiparasitic agent-10

Cat. No.:	HY-151433
CAS No.:	2138480-87-0
Molecular Formula:	$C_{13}H_{17}N_3O_4S_3$
Molecular Weight:	375
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antiparasitic agent-10 (Compound 94) is an anti-parasitic agent, shows anti-schistosomal activity. Antiparasitic agent-10 shows activity against adults of Schistosoma mansoni, and can be used in Schistosomiasis research[1].
IC_{50} & Target	Schistosome
In Vitro	Antiparasitic agent-10 (100 μM; 72 h) is non-cytotoxic in two human cell lines at 100 μM[1]. Antiparasitic agent-10 shows significant tegument damages and gut dilatations[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Cytotoxicity Assay[1]

Cell Line:	HepG2 and LS174T-cells
Concentration:	100 μM
Incubation Time:	72 hours
Result:	Showed cytotoxic up to >100 μM against HepG2 and LS174T-cells.

REFERENCES

[1]. Georg A Rennar, et al. Disulfiram and dithiocarbamate analogues demonstrate promising antischistosomal effects. Eur J Med Chem. 2022 Nov 15;242:114641.

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