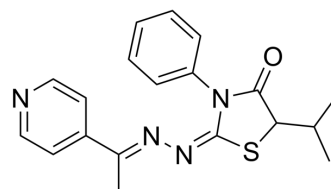


Antiparasitic agent-14

Cat. No.:	HY-149078
Molecular Formula:	C ₁₉ H ₂₀ N ₄ OS
Molecular Weight:	352.45
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antiparasitic agent-14 is a potent antiparasitic agent. Antiparasitic agent-14 shows cytotoxicity and antiparasitic activity. Antiparasitic agent-14 inhibits the growth of trypomastigote and amastigote ^[1] .	
IC ₅₀ & Target	Leishmania	Trypanosoma
In Vitro	Antiparasitic agent-14 (compound 27) shows cytotoxicity and antiparasitic activity with a CC ₅₀ value of 295.6 μM for RAW 264.7 cells, IC ₅₀ value of 1.5, 0.89 μM for trypomastigote and amastigote forms of <i>Trypanosoma cruzi</i> (T. cruzi), respectively [1]. Antiparasitic agent-14 shows antiparasitic activity against promastigote and amastigote forms of <i>Leishmania amazonensis</i> (L. amazonensis) with IC ₅₀ value of 22.4, 5.70 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Conceição JMD, et al. Structural design, synthesis, and anti-Trypanosomatidae profile of new Pyridyl-thiazolidinones. *Eur J Med Chem.* 2023 Apr 6;254:115310.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA