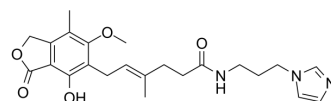


Anti-Trypanosoma cruzi agent-1

Cat. No.:	HY-115971
CAS No.:	2854299-38-8
Molecular Formula:	C ₂₃ H ₂₉ N ₃ O ₅
Molecular Weight:	427.49
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-Trypanosoma cruzi agent-1 (Compd E5) possesses anti-T. gondii activity ^[1] .	
IC ₅₀ & Target	Trypanosoma	Toxoplasma
In Vitro	<p>Anti-Trypanosoma cruzi agent-1 (Compd E5) demonstrates the strongest activity, and the IC₅₀ against HFF-1 (Human Foreskin Fibroblasts-1) cells following infection with T. gondii is 80.9 μM (MPA-211.5 μM) and its selectivity value is 2.2 (MPA-1.2)^[1].</p> <p>Anti-Trypanosoma cruzi agent-1 (Compd E5) is able to alleviate hepatomegaly and splenomegaly caused by acute Toxoplasma infection^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>	

REFERENCES

[1]. Fan-Fan Shang, et al. Synthesis and Evaluation of Mycophenolic Acid Derivatives as Potential Anti-Toxoplasma Gondii. Research Square.2021 Oct.

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

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