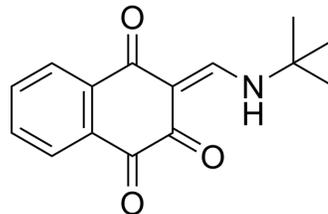


Anti-infective agent 6

Cat. No.:	HY-151612
CAS No.:	2839192-35-5
Molecular Formula:	C ₁₅ H ₁₅ NO ₃
Molecular Weight:	257.28
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-infective agent 6 (compound 28) is a potent anti-infectious agent. Anti-infective agent 6 shows a good activity against <i>P. falciparum</i> F32-ART (IC ₅₀ =1.4 μM) with a good selectivity index (SI>36). Anti-infective agent 6 also shows a potency against <i>L. donovani</i> (IC ₅₀ =3.5 μM) ^[1] .
IC₅₀ & Target	Leishmania
In Vitro	Anti-infective agent 6 (compound 28) is less cytotoxic with a CC ₅₀ value higher than 100 μM in macrophage RAW 264.7 cells and consequently a SI higher than 28 for <i>Leishmania</i> parasites ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Koumpoura CL, et al. Design of Anti-infectious Agents from Lawsone in a Three-Component Reaction with Aldehydes and Isocyanides. *ACS Omega*. 2022 Oct 3;7(40):35635-35655.

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

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