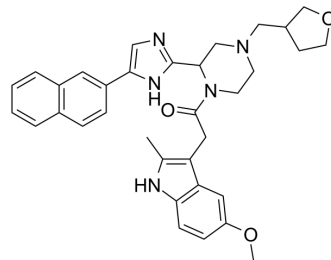


Tuberculosis inhibitor 1

Cat. No.:	HY-119938
CAS No.:	2230810-28-1
Molecular Formula:	C ₃₄ H ₃₇ N ₅ O ₃
Molecular Weight:	563.69
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tuberculosis inhibitor 1 is a potent and non-cytotoxic <i>trypanosoma brucei</i> growth inhibitor with an EC ₅₀ of 5 nM ^[1] .
IC ₅₀ & Target	EC ₅₀ : 5 nM (Trypanosoma brucei) ^[1]
In Vitro	Tuberculosis inhibitor 1 is selective over other parasites, such as Trypanosoma cruzi and Plasmodium falciparum (T. cruzi EC ₅₀ 8120 nM, P. falciparum EC ₅₀ 3624 nM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ferrigno F, et al. Discovery of 2-(1H-imidazo-2-yl)piperazines as a new class of potent and non-cytotoxic inhibitors of Trypanosoma brucei growth in vitro. Bioorg Med Chem Lett. 2018 Dec 15;28(23-24):3689-3692.

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

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