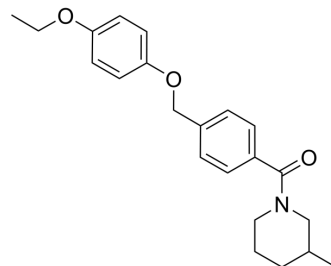


Antitrypanosomal agent 9

Cat. No.:	HY-Q40175		
CAS No.:	438474-67-0		
Molecular Formula:	C ₂₂ H ₂₇ NO ₃		
Molecular Weight:	353.45		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Antitrypanosomal agent 9 (compound 1) is a potent antitrypanosomal agent. Antitrypanosomal agent 9 shows inhibitory activity against <i>T. b. brucei</i> , with an IC ₅₀ of 1.15 μM. Antitrypanosomal agent 9 can be used for human African trypanosomiasis (HAT) research ^[1] .
IC₅₀ & Target	Trypanosoma
In Vitro	Antitrypanosomal agent 9 (compound 1) shows inhibitory activity against <i>T. b. rhodesiense</i> , <i>T. cruzi</i> , <i>L. donovani</i> , and <i>P. falciparum</i> , with IC ₅₀ values of 0.985 ± 0.076, 107 ± 34.5, 35.7 ± 6.22, and 22.3 ± 1.06 μM, respectively ^[1] . Antitrypanosomal agent 9 shows cytotoxicity in L6 cells, with an IC ₅₀ of 186 ± 94.2 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Manos-Turvey Alexandra, et al. Synthesis and evaluation of phenoxybenzamide analogues as anti-trypanosomal agents. *Med Chem Commun.* 2015, 6(3), 403–406.

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

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