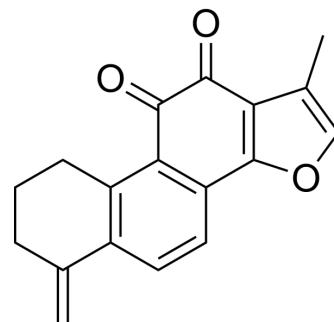


Methylenetanshinquinone

Cat. No.:	HY-126417
CAS No.:	67656-29-5
Molecular Formula:	C ₁₈ H ₁₄ O ₃
Molecular Weight:	278.3
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methylenetanshinquinone is a natural compound with antiplasmodial, antitrypanosomal and antioxidative activities. Methylenetanshinquinone can be used for the research of parasite infection ^[1] .	
IC₅₀ & Target	Plasmodium	Trypanosoma
In Vitro	Methylenetanshinquinone inhibits Plasmodium falciparum and Trypanosoma brucei rhodesiense with IC ₅₀ values of 6.3 and 0.5 μM, respectively ^[1] . Methylenetanshinquinone shows cytotoxicity to L6-cells with an IC ₅₀ value of 12.1 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Slusarczyk S, et al. Antiplasmodial and antitrypanosomal activity of tanshinone-type diterpenoids from Salvia miltiorrhiza. Planta Med. 2011 Sep;77(14):1594-6.

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