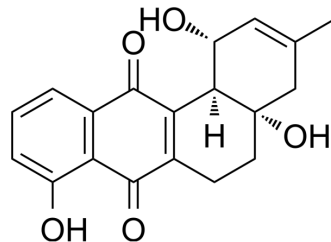


Miaosporone A

Cat. No.:	HY-145379
Molecular Formula:	C ₁₉ H ₁₈ O ₅
Molecular Weight:	326.34
Target:	Parasite; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Miaosporone A, an angucyclic quinone, exhibits antimalarial activity against Plasmodium falciparum K1 and antibacterial activity against Mycobacterium tuberculosis with respective IC ₅₀ values of 2.5 and 2.4 μM and displays cytotoxic activities against both cancerous (MCF-7 and NCI-H187) and nonmalignant (Vero) cells ^[1] .		
IC ₅₀ & Target	Plasmodium	Antibacterial 2.5 μM (IC ₅₀)	Microbial Metabolite

REFERENCES

[1]. Saepua S, et al. Antimicrobial and Cytotoxic Angucyclic Quinones from Actinomadura miaoliensis. J Nat Prod. 2021 Nov 8.

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