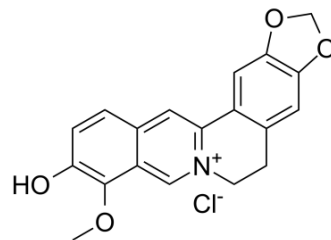


Thalifendine chloride

Cat. No.:	HY-N2023A
CAS No.:	4668-19-3
Molecular Formula:	C ₁₉ H ₁₆ ClNO ₄
Molecular Weight:	357.79
Target:	Parasite; Drug Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Thalifendine chloride is a metabolite of Berberine (HY-N0716), with antiplasmodial and antiamoebic activities. Thalifendine chloride shows activity against <i>P. falciparum</i> and <i>E. histolytica</i> with IC ₅₀ s of 7.91 μM and 116 μM, respectively ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 7.91 μM (<i>P. falciparum</i>), 116 μM (<i>E. histolytica</i>) ^[2]

REFERENCES

- [1]. Yi Li, et al. Bioactivities of berberine metabolites after transformation through CYP450 isoenzymes. *J Transl Med.* 2011; 9: 62.
- [2]. C W Wright, et al. In vitro antiplasmodial, antiamoebic, and cytotoxic activities of some monomeric isoquinoline alkaloids. *J Nat Prod.* 2000 Dec;63(12):1638-40.
- [3]. Ashish Kumar, et al. A new bisbenzylisoquinoline alkaloid isolated from *Thalictrum foliolosum*, as a potent inhibitor of DNA topoisomerase IB of *Leishmania donovani*. *Fitoterapia.* 2016 Mar;109:25-30.

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