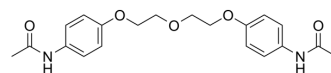


Diamfenetide

Cat. No.:	HY-119893
CAS No.:	36141-82-9
Molecular Formula:	C ₂₀ H ₂₄ N ₂ O ₅
Molecular Weight:	372.41
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Diamfenetide is used for the study of <i>Fasciola hepatica</i> infections in vitro. Diamfenetide leads to irreversible paralysis in vitro of immature and adult <i>Fasciola hepatica</i> ^[1] .
In Vitro	Diamfenetide (10-100 μM; 1-3 hours) treatment leads a time/dose-dependent, irreversible paralysis that involves an increase in muscular tension and decrease in contraction amplitude in vitro of immature and adult <i>Fasciola hepatica</i> ^[1] . Diamfenetide (100 μM; 6-24 hours) increases products of glucose metabolism by adult <i>Fasciola hepatica</i> in vitro. And the metabolic effects of Diamfenetide on <i>F. hepatica</i> may be secondary to the initial effects on surface membranes ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. R S Rew, et al. *Fasciola Hepatica: Effects of Diamfenetide Free Amine on in Vitro Physiology, Biochemistry, and Morphology*. Exp Parasitol
- [2]. R S Rew, et al. *Effects of Diamfenetide on Metabolic and Excretory Functions of Fasciola Hepatica in Vitro*. Comp Biochem Physiol C

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