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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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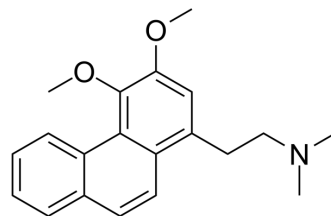
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Atherosperminine

Cat. No.:	HY-N7648
CAS No.:	5531-98-6
Molecular Formula:	C ₂₀ H ₂₃ NO ₂
Molecular Weight:	309.4
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Atherosperminine (Atherospermine) is a nature occurring alkaloid, has antiplasmodial activities in vitro, with an IC ₅₀ of 5.80 μM. Atherosperminine is a good reductant with the ability to chelate metals. Atherosperminine has scavenging activity towards the free radical DPPH, with an IC ₅₀ of 29.56 μg/mL. Atherosperminine exerts a non-specific relaxant effect on the trachealis ^[1] .
IC ₅₀ & Target	IC ₅₀ : 5.80 μM (P. falciparum, K1 strain) ^[1]

REFERENCES

- [1]. Ayu Afiqah Nasrullah, et al. Antiplasmodial Alkaloids from the Bark of *Cryptocarya nigra* (Lauraceae). *Molecules*. 2013 Jul; 18(7): 8009–8017.
- [2]. C H Lin, et al. The relaxant actions on guinea-pig trachealis of atherosperminine isolated from *Fissistigma*. *Eur J Pharmacol*. 1993 Jun 11;237(1):109-16.

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

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