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**Product Data Sheet**

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Product Name: Atherosperminine

Cat. No.: GC60604

**Chemical Properties**

Cas. No. 5531-98-6

SMILES CN(C)CCC1=C2C=CC3=CC=CC=C3C2=C(OC)C(OC)=C1Formula C<sub>20</sub>H<sub>23</sub>NO<sub>2</sub> M.Wt 309.4

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Atherosperminine [Atherospermine] is a nature occurring alkaloid, has antiplasmodial activities in vitro, with an IC<sub>50</sub> of 5.80 μM. Atherosperminine is good reductants with the ability to chelate metals and presented pro-oxidant activity. Atherosperminine exerts a non-specific relaxant effect on the trachealis [1].

[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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