

Product Name	: Atherosperminine
Synonyms	: Atherospermine
Cat No.	: M29285
CAS Number	: 5531-98-6
Molecular Formula	: C ₂₀ H ₂₃ NO ₂
Formula Weight	: 309.4
Chemical Name	: —
Description	<p>Atherosperminine shows cholinesterase inhibitory activity against acetylcholinesterase (AChE) and butyrylcholinesterase (BChE). Atherosperminine exerts a non-specific relaxant effect on the trachealis, its major mechanism of action appears to be inhibition of cAMP phosphodiesterase. (In Vitro): Atherosperminine shows strong anti-plasmodial activity against Plasmodium falciparum, with the IC₅₀ value of 5.80 μM. Atherosperminine also shows antioxidant activity in a DPPH assay with the IC₅₀ value of 54.53 ug/mL.</p>
Pathway	: GPCR/G Protein
Target	: cAMP
Receptor	: cAMP
Solubility	: —
SMILES	: COc1cc(CCN(C)C)c2ccc3ccccc3c2c1OC
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	: