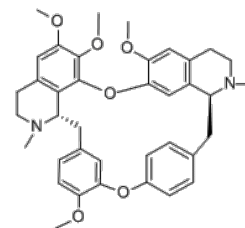


Product Name : Tetrandrine
Cat. No. : PC-62318
CAS No. : 518-34-3
Molecular Formula : C₃₈H₄₂N₂O₆
Molecular Weight : 622.8
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

Tetrandrine (NSC 77037, Fanchinine) is a bis-benzylisoquinoline alkaloid that acts a **calcium channel** blocker (IC₅₀= 8 and 20 μM for L-type and T-type calcium channels, respectively) and induces apoptosis.

Tetrandrine produces anti-inflammatory, immunomodulating, anti-proliferative, and free radical scavenging effects.

Tetrandrine has also been shown to increase glucose utilization by enhancing hepatocyte glycogen synthesis.

Tetrandrine is a potent cell **autophagy** agonist, is also a potent **CAMKII δ** inhibitor.

References

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Yang Z, et al. Sci Rep. 2016 Jul 26;6:30263.

Wang H, et al. Cell Biosci. 2015 Jan 14;5:4.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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