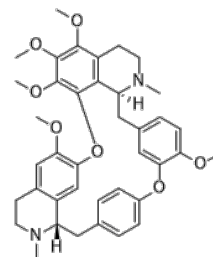


Product Name : Hernandezine
Cat. No. : PC-27916
CAS No. : 6681-13-6
Molecular Formula : C₃₉H₄₄N₂O₇
Molecular Weight : 652.79
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

Hernandezine is an alkaloid isolated from roots of *Thalictrum podocarpum*, is an **AMPK** activator and induces **autophagy** and cell death, activates AMPK-mTOR signalling pathways.

Hernandezine inhibits calcium-depletion stimulated calcium entry in human and bovine endothelial cells

Hernandezine is also a potent inhibitor of protein kinase C signaling.

Hernandezine blocks the influx of calcium via non selective cation channels in HL-60 cells.

Hernandezine induces autophagic GFP-LC3 puncta in various types of cancer cells.

Hernandezine induces autophagic cell death in apoptosis-resistant cancer cells.

References

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Ho LJ, et al. *Eur J Pharmacol*. 1999 Feb 19;367(2-3):389-98.

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

E-mail: tech@probechem.com