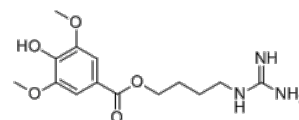


Product Name : Leonurine
Cat. No. : PC-62213
CAS No. : 24697-74-3
Molecular Formula : C₁₄H₂₁N₃O₅
Molecular Weight : 311.338
Target : Apaf-1
Solubility : 10 mM in DMSO



Biological Activity

Leonurine (SCM-198) is a natural alkaloid that exhibits cardio- and neuronal-protective effects both in vitro and in vivo, occupies the caspase recruitment site of **Apaf-1**, blocks its interaction with procaspase-9. Leonurine (SCM-198) attenuates doxorubicin-induced apoptosis in H9c2 cardiac muscle cells, protects middle cerebral artery occluded rats through antioxidant effect and regulation of mitochondrial function, attenuates myocardial fibrotic response via inhibition of NADPH oxidase 4 (Nox4).

References

- Loh KP, et al. *Stroke*. 2010 Nov;41(11):2661-8.
Xin H, et al. *Eur J Pharmacol*. 2009 Jun 10;612(1-3):75-9.
Liu XH, et al. *Free Radic Biol Med*. 2013 Jan;54:93-104.
Wang Y, et al. *Sci Rep*. 2016 Jul 22;6:29820.

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

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