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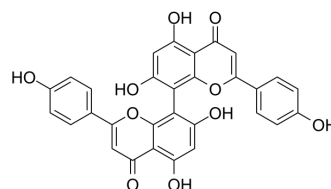
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Cupressuflavone

Cat. No.:	HY-N9173
CAS No.:	3952-18-9
Molecular Formula:	C ₃₀ H ₁₈ O ₁₀
Molecular Weight:	538.46
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cupressuflavone is a natural product that can be found in <i>Cupressus macrocarpa</i> . Cupressuflavone exhibits anti-inflammatory and antiulcerogenic activities. Cupressuflavone also show protective effects against CCl ₄ -induced hepato- and nephrotoxicity in mice ^{[1][2][3]} .
In Vitro	<p>Cupressuflavone (40-160 mg/kg; p.o. once daily for 5 days) exerts a beneficial effect against oxidative stress by enhancing the antioxidant defense status, reducing lipid peroxidation, and protecting against the pathological changes induced by CCl₄ in the liver and kidney tissues^[1].</p> <p>Cupressuflavone (40-160 mg/kg; p.o.) inhibits paw edema by 55, 60, and 64% at the three doses of 40, 100, and 160 mg/kg, respectively in the carrageenan-induced paw edema model of inflammation^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

- [1]. Al-Sayed E, et, al. Protective role of Cupressuflavone from *Cupressus macrocarpa* against carbon tetrachloride-induced hepato- and nephrotoxicity in mice. *Planta Med.* 2014 Dec;80(18):1665-71.
- [2]. Al-Sayed E, et, al. Anti-inflammatory and analgesic activities of cupressuflavone from *Cupressus macrocarpa*: Impact on pro-inflammatory mediators. *Drug Dev Res.* 2018 Feb;79(1):22-28.
- [3]. Koriem KMM, et, al. Protective effect of *Cupressus sempervirens* extract against indomethacin-induced gastric ulcer in rats. *Interdiscip Toxicol.* 2015 Mar;8(1):25-34.

Caution: Product has not been fully validated for medical applications. For research use only.

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