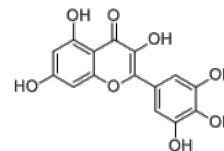


Product Name : Myricetin
Cat. No. : PC-72237
CAS No. : 529-44-2
Molecular Formula : C₁₅H₁₀O₈
Molecular Weight : 318.237
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Myricetin (Myricetol, Myricitin) is a flavonoid compound with antioxidant properties, inhibits **ENPP1** enzymatic activity with IC₅₀ of 4.8 μM.

Myricetin demonstrate significant improvement in heart function after injury in treated animal models.

Myricetin exhibited selective inhibition of cell growth (IC₅₀ 114.75 μM) and induced apoptosis in MDA-MB-231 cells.

Myricetin act as potential inhibitors of key tumorigenic signaling pathways, such as PI3K/Akt/mTOR, p38 MAPK and NF-κB. decrease the intracellular levels of ROS and pro-inflammatory cytokines, such as TNF-α, IL-1β and IL-6.

References

Shen Li, et al. *J Clin Invest.* 2022 Jan 18;132(2):e149711.

Sousa C, et al. *Nutr Cancer.* 2021 Nov 5:1-15.

Vukovic NL, et al. *Food Res Int.* 2018 Apr;106:71-80.

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

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