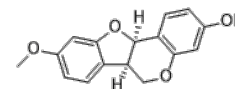


Product Name : Medicarpin
Cat. No. : PC-27861
CAS No. : 32383-76-9
Molecular Formula : C₁₆H₁₄O₄
Molecular Weight : 270.28
Target : Adiponectin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Medicarpin is a natural pterocarpan derived from leguminous plants with anticancer activity, is a dual agonist of AdipoR1 and AdipoR2, activates the reporter in AdipoR-overexpressing cells at 100 nM, Medicarpin exhibits multiple pharmacological activities, including antitumor and antibacterial effects. Medicarpin is a phytoalexin produced by plants in response to environmental challenges, widely present in dietary legumes, essential to agriculture, and with notable therapeutic and medicinal potential.

References

- Tanimoto MH, et al. ACS Omega. 2025 Nov 7;10(45):53722-53745.
Shubhrajyoti Das, et al. J Cachexia Sarcopenia Muscle. 2026 Aug;17(4):e70364.

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

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