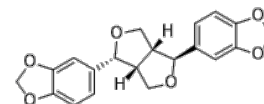


Product Name : Asarinin
Cat. No. : PC-27896
CAS No. : 133-05-1
Molecular Formula : C₂₀H₁₈O₆
Molecular Weight : 354.36
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

Asarinin is an abundant and characteristic lignan in Asarum with significant anti-inflammatory effects, prolongs allograft survival and inhibits post-transplant immune rejection via TLR-MyD88 signaling pathway, also exerts pro-apoptotic effects in MC cells by modulating the STAT3 signaling pathway.

Asarinin inhibited TGF-β1-induced fibroblast-to-myofibroblast transition in vitro, while GW9662 and PPARγ gene silencing significantly inhibited this effect.

Asarinin inhibited not only the canonical Smad pathway of TGF-β but also the non-canonical AKT and MAPK pathways by activating PPARγ.

Asarinin attenuates ferroptosis resistance by inhibiting the activity of S-adenosyl homocysteine hydrolase in lung cancer.

References

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Gu J, et al. Transplant Proc. 2015 Mar;47(2):545-8.

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

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