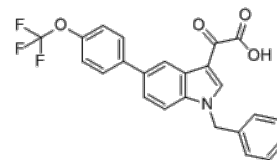


Product Name : Tiplaxtinin
Cat. No. : PC-49768
CAS No. : 393105-53-8
Molecular Formula : C₂₄H₁₆F₃NO₄
Molecular Weight : 439.39
Target : Plasminogen Activator Inhibitor-1 (PAI-1)
Solubility : 10 mM in DMSO



Biological Activity

Tiplaxtinin (PAI-039) is a selective, orally active plasminogen activator inhibitor-1 (**PAI-1**) inhibitor with IC₅₀ of 2.7 uM and K_d of 0.48 uM.

Tiplaxtinin (PAI-039) exhibited in vivo oral efficacy in models of acute arterial thrombosis.

Tiplaxtinin (PAI-039) inhibited PAI-1 and accelerated fibrinolysis while maintaining normal coagulation in a model of coronary occlusion.

Tiplaxtinin (PAI-039) significantly attenuated Ang II-induced aortic medial and wall thickening, enhanced Ang II/salt-induced cardiac fibrosis.

Tiplaxtinin (PAI-039) effectively protected from L-NAME-induced thrombosis in murine model of hepatic vein thrombosis.

References

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Hennan JK, et al. *J Pharmacol Exp Ther.* 2005 Aug;314(2):710-6.

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

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