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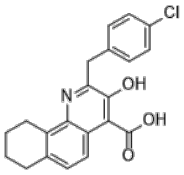
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	PSI-697
Cat. No.	:	PC-22341
CAS No.	:	851546-61-7
Molecular Formula	:	$C_{21}H_{18}ClNO_3$
Molecular Weight	:	367.83
Target	:	Selectin
Solubility	:	10 mM in DMSO



Biological Activity

PSI-697 is a potent, selective and orally bioavailable P-selectin antagonist with biacore IC50 of 150 uM.
PSI-697 dose dependently inhibits the binding of human P-selectin to human P-selectin glycoprotein ligand-1, inhibiting 50% of binding at 50 to 125 microM.
PSI-697 shows oral efficacy in mouse and rat models of atherogenesis and vascular injury.
PSI-697 (50 mg/kg p.o.) significantly reduced the number of rolling leukocytes by 39% ($P < 0.05$) versus vehicle control in surgical inflammation rat model.
PSI-697 (100 mg/kg p.o.) reduced thrombus weight by 18% ($P < 0.05$) relative to vehicle, without prolonging bleeding time, in rat venous thrombosis model.

References

Kaila N, et al. J Med Chem. 2007 Jan 11;50(1):40-64.

Bedard PW, et al. J Pharmacol Exp Ther. 2008 Feb;324(2):497-506.

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