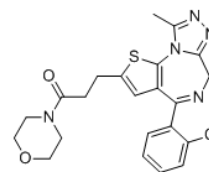


Product Name : Apafant
Cat. No. : PC-70045
CAS No. : 105219-56-5
Molecular Formula : C₂₂H₂₂N₅O₂SCl
Molecular Weight : 455.961
Target : Platelet-activating Factor Receptor
Solubility : 10 mM in DMSO



Biological Activity

Apafant (WEB2086) is a potent and specific antagonist of **platelet activating factor** (PAF) receptor that inhibits PAF-induced human platelet and neutrophil aggregation in vitro with IC₅₀ of 0.17 and 0.36 μM, respectively.

Apafant (WEB2086) reverses or abolishes the bronchoconstriction, hypotension, thrombocytopenia and leukopenia induced by PAF-acether at 0.1-1 mg/kg in guinea-pigs.

Apafant (WEB2086) also markedly decreases the bronchoconstriction and leukopenia induced by 100 μg/kg antigen in mepyramine.

References

Casals-Stenzel J, et al. *J Pharmacol Exp Ther.* 1987 Jun;241(3):974-81.

Casals-Stenzel J, et al. *Br J Pharmacol.* 1987 Aug;91(4):799-802.

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

E-mail: tech@probechem.com