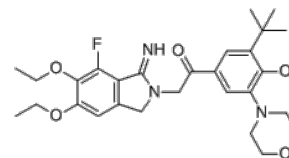


**Product Name** : Atopaxar  
**Cat. No.** : PC-61307  
**CAS No.** : 751475-53-3  
**Molecular Formula** : C<sub>29</sub>H<sub>38</sub>FN<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 527.6374  
**Target** : Protease-activated Receptor (PAR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Atopaxar (E5555) is a potent, reversible protease-activated receptor-1 (**PAR-1**) antagonist with IC<sub>50</sub> of 19 nM. Atopaxar (E5555) shows potent inhibitory effects on human platelet aggregation induced by thrombin and TRAP with IC<sub>50</sub> of 64 nM and 31 nM, respectively, with no effect on platelet aggregation induced by either ADP or collagen. Atopaxar (E5555) inhibits arterial thrombosis without affecting bleeding time in photochemically-induced thrombosis model guinea pigs.

## References

- Serebruany VL, et al. Thromb Haemost. 2009 Jul;102(1):111-9.  
 Angiolillo DJ, et al. Eur Heart J. 2010 Jan;31(1):17-28.  
 Kogushi M, et al. Eur J Pharmacol. 2011 Apr 25;657(1-3):131-7.

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

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