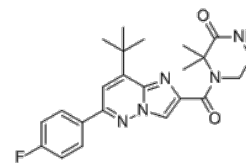


Product Name : I-191
Cat. No. : PC-62088
CAS No. : 1690172-25-8
Molecular Formula : C₂₃H₂₆FN₅O₂
Molecular Weight : 423.492
Target : Protease-activated Receptor (PAR)
Solubility : 10 mM in DMSO



Biological Activity

I-191 is a novel potent, selective **protease-activated receptor 2 (PAR2)** antagonist with pIC₅₀ of 7.2 in cell-based assays. I-191 potently attenuates multiple PAR2-mediated intracellular signaling pathways leading to Ca²⁺ release, ERK1/2 phosphorylation, Ras homologue gene family, member A (RhoA) activation, and inhibition of forskolin-induced cAMP accumulation.

I-191 also potently inhibits PAR2-mediated downstream functional responses, including expression and secretion of inflammatory cytokines and cell apoptosis and migration, in human HT29 and MDA-MB-231 cells.

References

Jiang Y, et al. *J Pharmacol Exp Ther*. 2018 Feb;364(2):246-257.

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

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