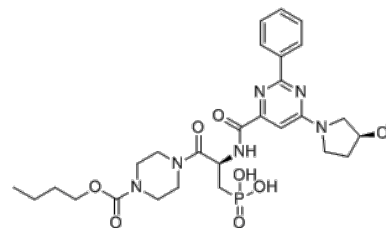


Product Name : ACT-246475
Cat. No. : PC-35577
CAS No. : 1159500-34-1
Molecular Formula : C₂₈H₃₉N₆O₈P
Molecular Weight : 618.628
Target : P2Y Receptor
Solubility : 10 mM in DMSO



Biological Activity

Selatogrel (ACT-246475) is a potent, selective, reversible **P2Y₁₂** receptor antagonist with binding IC₅₀ of 1.0 nM. ACT-246475 displays no agonist binding activity against P2Y₁, P2Y₂, P2Y₄, P2Y₆, P2Y₁₁, and P2Y₁₃ at 10 μM, to P2Y₁, P2Y₂, P2Y₄, P2Y₆, P2Y₁₁, no antagonistic activity on P2X₁, P2X₂, P2X₃, P2X₄, and P2X₇ receptors, as well as a broad panel of receptors, transporters, and enzymes.

ACT-246475 inhibits platelet aggregation with IC₅₀ of 8.0 nM in the light transmission aggregometry (LTA) assay.

ACT-246475 shows efficacy in the rat ferric chloride thrombosis model when administered intravenously.

References

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Rey M, et al. *Pharmacol Res Perspect.* 2017 Oct;5(5).

Juif PE, et al. *J Clin Pharmacol.* 2018 Aug 8. doi: 10.1002/jcph.1296.

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

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