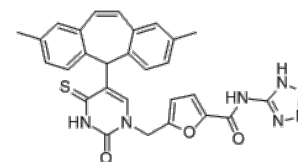


Product Name : AR-C118925XX
Cat. No. : PC-20993
CAS No. : 216657-60-2
Molecular Formula : C₂₈H₂₃N₇O₃S
Molecular Weight : 537.60
Target : P2Y Receptor
Solubility : 100 mM in DMSO (53.7 mg/mL)



CAS: 216657-60-2

Biological Activity

AR-C118925XX is a potent, selective, competitive **P2Y2 receptor** antagonist with pA₂ values of 37.2 nM and 51.3 nM in calcium and β-arrestin assays, respectively.

AR-C118925XX inhibits UTP-induced receptor activation with an IC₅₀ value of 37.1 nM at the human P2Y₄ receptor, at least 500-fold selective for the P2Y₂ over the P2Y₄ receptor.

AR-C118925XX is at least 50-fold selective for the P2Y₂ receptor over any other mammalian P2Y receptor subtype.

AR-C118925XX is a useful pharmacological tool for in vitro as well as in vivo studies of P2Y₂ receptors.

References

Hochhauser E, et al. *Purinergic Signal*. 2013 Dec;9(4):633-42.

Rafehi M, et al. *Purinergic Signal*. 2017 Mar;13(1):89-103.

Patent WO1998054180

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

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