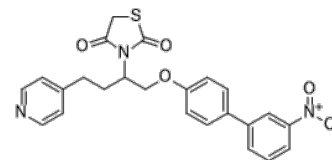


Product Name : AZ11645373
Cat. No. : PC-22910
CAS No. : 227088-94-0
Molecular Formula : C₂₄H₂₁N₃O₅S
Molecular Weight : 463.51
Target : P2X Receptor
Solubility : 10 mM in DMSO



CAS: 227088-94-0

Biological Activity

AZ11645373 is a selective and potent antagonist of human **P2X7** receptor, inhibits ATP-mediated release of IL-1 β in LPS-stimulated THP-1 monocytes with Kb of 92 nM.

AZ11645373 has no agonist or antagonist actions on membrane currents due to P2X receptor activation at human P2X(1), rat P2X(2), human P2X(3), rat P2X(2/3), human P2X(4), or human P2X(5) receptors expressed in HEK cells.

AZ11645373 inhibits ATP- or BzATP-evoked YO-PRO1 fluorescence in HEK cells stably expressing hP2X7R, but not rP2X7R-expressing cells.

AZ11645373 is highly effective at inhibiting ATP- and BzATP-mediated responses in all our assays on hP2X7Rs, with IC₅₀/KB values ranging from 5 to 90 nM depending on the specific assay.

References

Laurent C, et al. *Br J Pharmacol*. 2006 Dec;149(7):880-7.

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

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