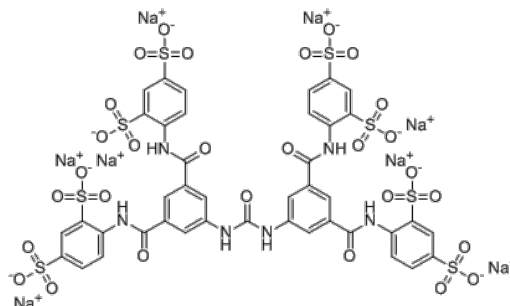


Product Name : NF449
Cat. No. : PC-49765
CAS No. : 627034-85-9
Molecular Formula : C₄₁H₂₄N₆Na₈O₂₉S₈
Molecular Weight : 1505.05
Target : P2X Receptor
Solubility : 10 mM in DMSO



Biological Activity

NF449 (NF-449) is a highly potent, selective and reversible competitive human **P2X1** receptor antagonist with IC₅₀ of 0.05 nM.

NF449 antagonizes ATP or alphabeta-methyleneadenosine 5'-triphosphate-induced inward currents of homomeric rat P2X(1)-P2X(4) receptors or heteromeric P2X(1 + 5) and P2X(2+3) receptors, respectively.

NF449 is less potent at homomeric P2X(2) receptors (IC₅₀) 47 microM) and homomeric P2X(4) receptors (IC₅₀) > 300 microM).

References

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Suzuki E, et al. *Mol Pharmacol*. 2004 Dec;66(6):1738-47.

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

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