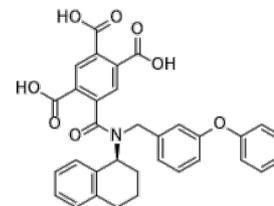


Product Name : A-317491
Cat. No. : PC-26168
CAS No. : 475205-49-3
Molecular Formula : C₃₃H₂₇NO₈
Molecular Weight : 565.58
Target : P2X Receptor
Solubility : 10 mM in DMSO



Biological Activity

A-317491 is a potent, selective and non-nucleotide antagonist of P2X3 and P2X2/3 receptors with K_i of 22, 22, 9, and 92 nM for hP2X3, rP2X3, hP2X2/3, and rP2X2/3, respectively.

A-317491 is highly selective over other P2 receptors and other neurotransmitter receptors, ion channels, and enzymes (IC₅₀ > 10 μM).

A-317491 reduces inflammatory and neuropathic pain by blocking P2X3 and P2X2/3 receptor-mediated calcium flux.

References

Jarvis MF, et, al. Proc Natl Acad Sci U S A. 2002 Dec 24;99(26):17179-84.

Wu G, et, al. Eur J Pharmacol. 2004 Nov 3;504(1-2):45-53.

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

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