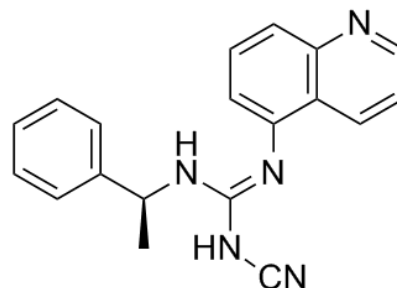


Product Name : A-804598
Cat. No. : PC-42169
CAS No. : 1125758-85-1
Molecular Formula : C₁₉H₁₇N₅
Molecular Weight : 315.3718
Target : P2X Receptor
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

A-804598 is a potent, selective and competitive **P2X7** receptor antagonist with IC₅₀ of 10, 9 , and 11 nM for rat, mouse, and human P2X7, respectively.

A-804598 also potently blocks agonist stimulated release of IL-1beta and Yo-Pro uptake from differentiated THP-1 cells.

A-804598 partially attenuates footshock increased IL-1β and CD14 mRNA in the paraventricular nucleus in rats (25 mg/kg).

References

Donnelly-Roberts DL, et al. *Neuropharmacology*. 2009 Jan;56(1):223-9.

Catanzaro JM, et al. *Behav Pharmacol*. 2014 Sep;25(5-6):582-98.

Ziff J, et al. *ACS Chem Neurosci*. 2016 Apr 20;7(4):498-504.

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

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