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Data Sheet

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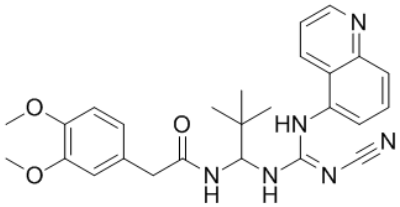
Product Name	:	A-740003
Cat. No.	:	PC-45846
CAS No.	:	861393-28-4
Molecular Formula	:	$C_{26}H_{30}N_6O_3$
Molecular Weight	:	474.5548
Target	:	P2X Receptor
Solubility	:	10 mM in DMSO



Biological Activity

A potent, selective, competitive P2X7 receptor antagonist with IC50 of 40 nM and 18 nM for hP2X7 and rP2X7, respectively; showed weak or no activity for other P2 receptors (IC50>10 uM); potently blocks agonist-evoked IL-1β release (IC50=156 nM) and pore formation (IC50=92 nM) in differentiated human THP-1 cells; produces dose-dependent antinociception in a spinal nerve ligation model (ED50=19 mg/kg i.p.) in the rat.
Pain
Discontinued

References

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Morytko MJ, et al. Bioorg Med Chem Lett. 2008 Mar 15;18(6):2093-6.

King BF. Br J Pharmacol. 2007 Jul;151(5):565-7.

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