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Data Sheet

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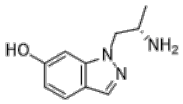
Product Name	:	AL-34662
Cat. No.	:	PC-27112
CAS No.	:	210580-75-9
Molecular Formula	:	$C_{10}H_{13}N_3O$
Molecular Weight	:	191.23
Target	:	5-HT Receptor
Solubility	:	10 mM in DMSO



Biological Activity

AL-34662 is a potent, selective, and efficacious serotonin-2 (5-HT2) receptor agonist with binding IC50 of 0.8-1.5 nM for rat and human 5-HT2 receptors, and 3-14.5 nM for cloned human 5-HT2A-C receptors.
AL-34662 stimulated phosphoinositide turnover in human ciliary muscle (h-CM; EC50=289+/-80 nM) and in human trabecular meshwork (h-TM; EC50=254+/-50 nM) cells.
AL-34662 also mobilized intracellular Ca2+ ([Ca2+]i) in h-CM (EC50=140+/-23 nM) and h-TM (EC50=38+/-8 nM) cells.
AL-34662 caused relatively minimal ocular discomfort and hyperemia in rabbit and guinea pig eyes, efficaciously lowered intraocular pressure (IOP) in the conscious ocular hypertensive monkey eyes.

References

Sharif NA, et al. J Ocul Pharmacol Ther. 2007 Feb;23(1):1-13.

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