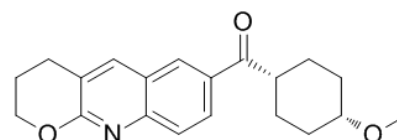


Product Name : JNJ-16259685
Cat. No. : PC-42138
CAS No. : 409345-29-5
Molecular Formula : C₂₀H₂₃NO₃
Molecular Weight : 325.4015
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

aA highly potent, selective, non-competitive and centrally active mGluR1 antagonist with K_i of 0.34 nM; shows no agonist, antagonist or PAM activity toward rat mGluR2/3/4/6 receptors ($IC_{50} > 10 \mu M$) and does not bind to AMPA, NMDA receptor and other neurotransmitter receptors; inhibits glutamate-induced Ca²⁺ mobilization for rat and human mGluR1 with IC_{50} of 3.24 and 1.21 nM, inhibits glutamate-mediated inositol phosphate production with IC_{50} of 1.73 nM; attenuates drug context-induced reinstatement of cocaine seeking in rats.

References

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Mabire D, et al. *J Med Chem*. 2005 Mar 24;48(6):2134-53.

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

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