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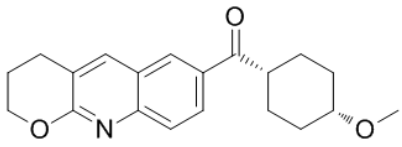
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	JNJ-16259685
Cat. No.	:	PC-42138
CAS No.	:	409345-29-5
Molecular Formula	:	$C_{20}H_{23}NO_3$
Molecular Weight	:	325.4015
Target	:	mGluR
Solubility	:	10 mM in DMSO



Biological Activity

JNJ-16259685 (JNJ16259685) is a highly potent, selective, non-competitive and centrally active **mGluR1** antagonist with Ki of 0.34 nM.
JNJ-16259685 shows no agonist, antagonist or PAM activity toward rat mGlu2/3/4/6 receptors (IC50>10 uM) and does not bind to AMPA, NMDA receptor and other neurotransmitter receptors.
JNJ-16259685 inhibits glutamate-induced Ca2+ mobilization for rat and human mGluR1 with IC50 of 3.24 and 1.21 nM, inhibits glutamate-mediated inositol phosphate production with IC50 of 1.73 nM.
JNJ-16259685 attenuates drug context-induced reinstatement of cocaine seeking in rats.

References

Lavreysen H, et al. ***Neuropharmacology.*** 2004 Dec;47(7):961-72.

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

Xie X, et al. ***Psychopharmacology (Berl)***. 2010 Jan;208(1):1-11.

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

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