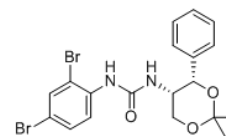


Product Name : JNJ-10397049
Cat. No. : PC-70015
CAS No. : 708275-58-5
Molecular Formula : C₁₉H₂₀Br₂N₂O₃
Molecular Weight : 484.2
Target : Orexin Receptor
Solubility : 10 mM in DMSO



Biological Activity

JNJ-10397049 is a potent, selective, and bioavailable OX2 receptor (**OX2R**) antagonist with K_b of 4.5 nM.

JNJ-10397049 displays >200-fold selectivity over OX1R (K_b=1.1 μM), and has no significant affinity for over 50 other neurotransmitters or neuropeptide receptors.

JNJ-10397049 decreases the latency for persistent sleep and increases nonrapid eye movement and rapid eye movement sleep time in rats

JNJ-10397049 attenuates D-amphetamine-induced relative cerebrovascular signal, with prominent cortical involvement in rat brains.

References

Dugovic C, et al. *J Pharmacol Exp Ther*. 2009 Jul;330(1):142-51.

Faedo S, et al. *Eur J Pharmacol*. 2012 Oct 5;692(1-3):1-9.

Gozzi A, et al. *PLoS One*. 2011 Jan 28;6(1):e16406.

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

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