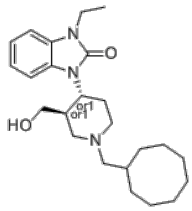
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	J-113397
Cat. No.	:	PC-61545
CAS No.	:	217461-40-0
Molecular Formula	:	$C_{24}H_{37}N_3O_2$
Molecular Weight	:	399.57
Target	:	Opioid Receptor
Solubility	:	10 mM in DMSO



Biological Activity

J-113397 is a potent, selective nociceptin/orphanin FQ receptor (NOP receptor/**ORL1**) antagonist with IC50 of 2.3 nM.
J-113397 displays >600-fold or less affinity for mu-, delta- and kappa-opioid receptors.
J-113397 inhibits nociceptin/orphanin FQ-induced suppression of cAMP accumulation elicited by forskolin with IC50 of 26 nM.
J-113397 dose-dependently inhibits hyperalgesia elicited by nociceptin/orphanin FQ in a tail-flick test with mice.

References

Kawamoto H, et al. ***J Med Chem***. 1999 Dec 16;42(25):5061-3.

Ozaki S, et al. ***Eur J Pharmacol***. 2000 Jan 17;387(3):R17-8.

Ozaki S, et al. ***Eur J Pharmacol.*** 2000 Aug 18;402(1-2):45-53.

E-mail: tech@probechem.com