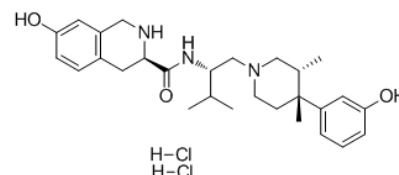


Product Name : JDtic dihydrochloride
Cat. No. : PC-42615
CAS No. : 785835-79-2
Molecular Formula : C₂₈H₄₁Cl₂N₃O₃
Molecular Weight : 538.5494
Target : Opioid Receptor
Solubility : 10 mM in DMSO
4. Knoll AT, et al. J Pharmacol Exp Ther. 2007 Dec;323(3):838-45.



Biological Activity

A highly potent and selective kappa Opioid receptor (KOR) antagonist with K_i of 0.3 nM; has a K_i of 0.006 nM in GTP-gamma-S assay, displays >15,000-fold selectivity over delta receptors; exhibits anxiolytic-like effects in models of unlearned and learned fear in rats.

References

- Thomas JB, et al. J Med Chem. 2001 Aug 16;44(17):2687-90.
Carroll I, et al. Eur J Pharmacol. 2004 Oct 6;501(1-3):111-9.
Beardsley PM, et al. Psychopharmacology (Berl). 2005 Nov;183(1):118-26.

