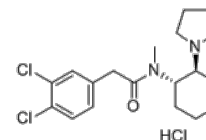


Product Name : (-)-U-50488 hydrochloride
Cat. No. : PC-60715
CAS No. : 114528-79-9
Molecular Formula : C₁₉H₂₆Cl₂N₂O.HCl
Molecular Weight : 405.79
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

(-)-U-50488 hydrochloride is the more active enantiomer of (±)-U-50488, a potent, selective **kappa-opioid receptor** agonist (K_d=2.2 nM) with no μ-opioid antagonist effects.

(-)-U-50488 hydrochloride shows analgesic, diuretic and antitussive effects, and reverses the memory impairment produced by anticholinergic drugs in vivo.

References

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Suarez-Roca H, et al. *J Pharmacol Exp Ther*. 1993 Feb;264(2):648-53.
Su MT, et al. *Br J Pharmacol*. 1998 Feb;123(4):625-30.
Vonvoigtlander PF, et al. *J Pharmacol Exp Ther*. 1983 Jan;224(1):7-12.

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

E-mail: tech@probechem.com