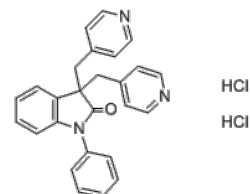


Product Name : Linopirdine dihydrochloride
Cat. No. : PC-63068
CAS No. : 113168-57-3
Molecular Formula : C₂₆H₂₁N₃O₂HCl
Molecular Weight : 464.39
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

Linopirdine (DUP-996) dihydrochloride is a potent **Kv7 (KCNQ)** voltage-gated potassium channels blocker.

Linopirdine blocks KV7.1+7.3 (KCNQ2+3) / M-currents (IC₅₀=4-7 uM) and KV7.1 (KCNQ1) homomeric channels (IC₅₀=8.9 uM).

Linopirdine inhibits M-type K⁺ current, increases acetylcholine release in rat hippocampal CA1 neurons; active in vivo.

References

Schnee ME, et al. *J Pharmacol Exp Ther.* 1998 Aug;286(2):709-17.

Wang HS, et al. *Science.* 1998 Dec 4;282(5395):1890-3.

Zaczek R, et al. *J Pharmacol Exp Ther.* 1998 May;285(2):724-30.

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

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