

Product Name : Linopirdine dihydrochloride

Synonyms : DUP-996 dihydrochloride

Cat No. : M10459

CAS Number : 113168-57-3

Molecular Formula : C₂₆H₂₁N₃O.2HCl

Formula Weight : 464.39

Chemical Name : 1,3-Dihydro-1-phenyl-3-bis(4-pyridinylmethyl)-2H-indol-2-one

Description : Linopirdine (DUP-996) is a potent Kv7 (KCNQ) voltage-gated potassium channels blocker; blocks KV7.1+7.3 (KCNQ2+3) / M-currents (IC₅₀=4-7 uM) and KV7.1 (KCNQ1) homomeric channels (IC₅₀=8.9 uM); inhibits M-type K⁺ current, increases acetylcholine release in rat hippocampal CA1 neurons; active in vivo. Alzheimer Disease Phase 1 Discontinued

Pathway : Cell Cycle/DNA Damage

Target : Potassium Channel

Receptor : Potassium Channel

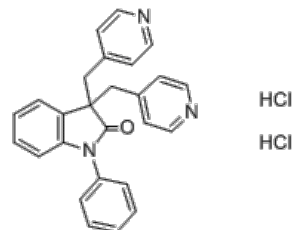
Solubility : —

SMILES : O=C1N(C2=CC=CC=C2)C3=C(C=CC=C3)C1(CC4=CC=NC=C4)CC5=CC=NC=C5.[H]Cl.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :



1. Schnee ME, et al. J Pharmacol Exp Ther. 1998 Aug;286(2):709-17. 2. Wang HS, et al. Science. 1998 Dec 4;282(5395):1890-3. 3. Zaczek R, et al. J Pharmacol Exp Ther. 1998 May;285(2):724-30.