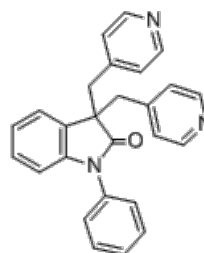


Product Name : Linopirdine
Synonyms : DUP-996;Linopirine
Cat No. : M10251
CAS Number : 105431-72-9
Molecular Formula : C₂₆H₂₁N₃O
Formula Weight : 391.47
Chemical Name : 1,3-Dihydro-1-phenyl-3-bis(4-pyridinylmethyl)-2H-indol-2-one



Description : Linopirdine (DUP-996; Linopirine) is a potent Kv7 (KCNQ) voltage-gated potassium channels blocker; blocks Kv7.1+7.3 (KCNQ2+3)/M-currents (IC₅₀=4-7 μM) and Kv7.1 (KCNQ1) homomeric channels (IC₅₀=8.9 μM); 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

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.