

Product Name : ZD-7288

Synonyms : ICI-D 7288

Cat No. : M11314

CAS Number : 133059-99-1

Molecular Formula : C₁₅H₂₁ClN₄

Formula Weight : 292.81

Chemical Name : (Z)-N-ethyl-1,2-dimethyl-6-(methylimino)-N-phenyl-1,6-dihydropyrimidin-4-amine hydrochloride

Description : ZD-7288 (ICI-D 7288) is a selective hyperpolarization-activated cyclic nucleotide-gated (HCN) channel blocker; inhibits the hyperpolarization activated cationic current (I_h) in a concentration-dependent manner in rat brain. Heart Arrhythmia Phase 2 Discontinued

Pathway : Membrane Transporter/Ion Channel

Target : HCN Channel

Receptor : HCN Channel

Solubility : DMSO : 50 mg/mL 170.76 mM; H₂O : ≥ 50 mg/mL 170.76 mM

SMILES : C/N=C1C=C(N(CC)C2=CC=CC=C2)N=C(C)N1C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Zhang XX, et al. Neural Regen Res. 2016 May;11(5):779-86. 2. Guli X, et al. Neural Plast. 2012;2012:237913. 3. BoSmith RE, et al. Br J Pharmacol. 1993 Sep;110(1):343-9.

