

Product Name : Calindol hydrochloride

Synonyms : —

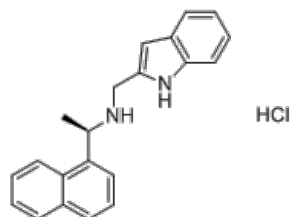
Cat No. : M15792

CAS Number : 729610-18-8

Molecular Formula : C₂₁H₂₁ClN₂

Formula Weight : 336.86

Chemical Name : N-[(1R)-1-(1-naphthalenyl)ethyl]-1H-indole-2-methanamine, monohydrochloride



Description : Calindol hydrochloride is a calcimimetic acting agent and positive allosteric modulator (agonist) of CaSR with EC₅₀ of 0.31 μM (stimulated 3H IP accumulation in CHO cells at 2 mM Ca²⁺); activates an extracellular ligand-binding domain-deleted rhodopsin-like seven-transmembrane structure in the absence of Ca(2+); produces concentration-dependent hyperpolarizations of vascular myocytes from rat isolated mesenteric and porcine coronary arteries.

Pathway : GPCR/G Protein

Target : CaSR

Receptor : CaSR

Solubility : —

SMILES : CC(C1=CC=CC2=CC=CC=C21)NCC3=CC4=CC=CC=C4N3.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kessler A, et al. Bioorg Med Chem Lett. 2004 Jun 21; 14(12):3345-9. | 2. Weston AH, et al. Circ Res. 2005 Aug 19; 97(4):391-8. | 3. Ray K, et al. J Biol Chem. 2005 Nov 4; 280(44):37013-20.