

Product Name : SB-612111 hydrochloride

Synonyms : SB 612111;SB612111

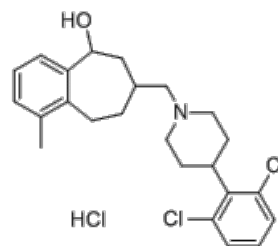
Cat No. : M14285

CAS Number : 371980-94-8

Molecular Formula : C₂₄H₂₉Cl₂NO.HCl

Formula Weight : 454.86

Chemical Name : 7-[4-(2,6-Dichlorophenyl)-1-piperidinyl]methyl]-6,7,8,9-tetrahydro-1-methyl-5H-benzocyclohepten-5-ol hydrochloride



Description : A potent, selective opiate receptor-like orphan receptor (ORL-1, NOP) antagonist with K_i of 0.33 nM; displays good selectivity versus mu-(174-fold), delta-(6391-fold), and kappa (486-fold)-opioid receptors; antagonizes the antimorphine action of nociceptin (ED₅₀= 0.69 mg/kg) with no measurable antinociceptive effects in vivo; antagonizes nociceptin-induced thermal hyperalgesia (ED₅₀=0.62 mg/kg i.v.) in rat carrageenan inflammatory pain model.

Pathway : Endocrinology/Hormones

Target : Opioid Receptor

Receptor : Opioid Receptor

Solubility : —

SMILES : CC1=C2CCC(CC(C2=CC=C1)O)CN3CCC(CC3)C4=C(C=CC=C4Cl)Cl.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Liao YY, et al. Eur J Pharmacol. 2011 Apr 25;657(1-3):84-8. 2. Spagnolo B, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):961-7. 3. Rizzi A, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):968-74. 4. Zaratini PF, et al. J Pharmacol Exp Ther. 2004 Feb;308(2):454-61.