

Product Name : Ziprasidone hydrochloride monohydrate

Synonyms : CP-88059

Cat No. : M11616

CAS Number : 138982-67-9

Molecular Formula : C₂₁H₂₄Cl₂N₄O₂S

Formula Weight : 467.41

Chemical Name : 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1)

Description : A full antagonist of D₂ and 5-HT_{2A} receptors with K_i of 6.8 and 0.6 nM, respectively; also is a partial agonist of 5-HT_{1A}, and a partial antagonist of 5-HT_{2C} and 5-HT_{1D} receptors; exhibits potent antipsychotic activity in vivo. Schizophrenia Approved

Pathway : Endocrinology/Hormones

Target : 5-HT Receptor

Receptor : 5-HT transporter; 5-HT_{1A}; 5-HT_{1B}; 5-HT_{1D}; 5-HT_{2A}; 5-HT_{2C}; 5-HT₆; 5-HT₇; D₁; D₂; D₃; H₁ receptor; norepinephrine transporter (NET); α_{1A}-adrenergic receptor; α_{2A}-adrenergic receptor

Solubility : 10 mM in DMSO

SMILES : O=C1CC2=CC(CCN3CCN(C4=NSC5=C4C=CC=C5)CC3)=C(Cl)C=C2N1.Cl.O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Mattei C, et al. J Cent Nerv Syst Dis. 2011 Feb 15;3:1-16. | 2. Seeger TF, et al. J Pharmacol Exp Ther. 1995 Oct;275(1):101-13. | 3. Schotte A, et al. Psychopharmacology (Berl). 1996 Mar;124(1-2):57-73.

