

Product Name : Ziprasidone
Synonyms : CP 88059; CP-88059; CP88059

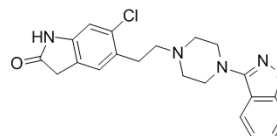
Cat No. : M12007

CAS Number : 146939-27-7

Molecular Formula : C₂₁H₂₁ClN₄O₂S

Formula Weight : 412.94

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



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 : ClC1=C(CCN2CCN(CC2)C2=NSC3=CC=CC=C23)C=C2CC(=O)NC2=C1

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.

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