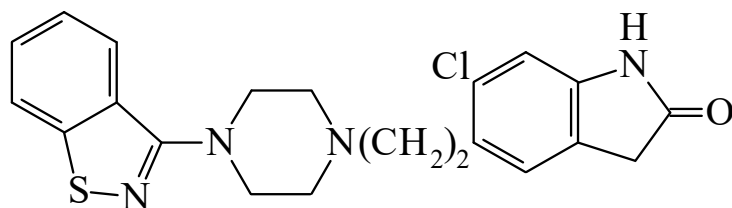




>>Entry Name: Ziprasidone, BAN

Synonym(s): 5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one. Geodon. CP 88059



CAS Registry Number: 146939-27-7

Related CAS Registry Numbers(s): 118289-78-4 122883-93-6

Molecular Formula: C₂₁H₂₁ClN₄OS

Molecular Weight: 412.942

Accurate Mass: 412.112458

Percentage Composition: C 61.08%; H 5.13%; Cl 8.59%; N 13.57%; O 3.87%; S 7.77%

Biological Use/Importance: Central dopamine-D₂ and 5-hydroxytryptamine-5HT₂ receptor antagonist. Antipsychotic agent, used for treatment of schizophrenia

Physical Description: Tan-coloured solid

Development Status: Marketed drug. Approved by FDA (2001)

Melting Point: Mp 218-220°

Calculated Log P Data: Log P 4.42 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): Ziprasidone hydrochloride, USAN. Zeldox

CAS Registry Number: 138982-67-9

Physical Description: Cryst. + H₂O. Solid

Melting Point: Mp 300°

References:

Bench, C.J. *et al.*, *Psychopharmacology (Berlin)*, 1993, **112**, 308, (*pharmacol*)

U.S. Pat., 1993, *Pfizer*, 5 206 366; *CA*, **119**, 203320c, (*synth, pharmacol*)

Daniel, D.G. *et al.*, *Expert Opin. Invest. Drugs*, 2000, **9**, 819-828, (*rev*)