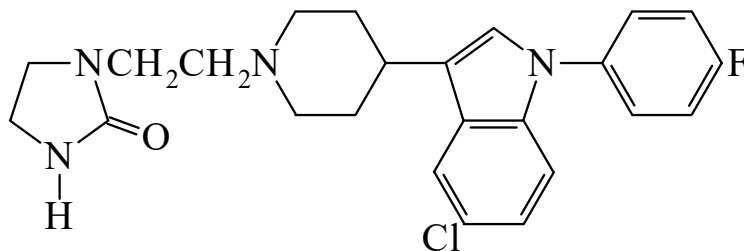




>>Entry Name: Sertindole, BAN, INN, USAN

Synonym(s): 1-[2-[4-[5-Chloro-1-(4-fluorophenyl)-1H-indol-3-yl]-1-piperidinyl]ethyl]-2-imidazolidinone, 9Cl. Serdolect. Lu 23-174



CAS Registry Number: 106516-24-9

Related CAS Registry Numbers(s): 106516-25-0

Molecular Formula: C₂₄H₂₆ClFN₄O

Molecular Weight: 440.947

Accurate Mass: 440.177916

Percentage Composition: C 65.37%; H 5.94%; Cl 8.04%; F 4.31%; N 12.71%; O 3.63%

Use/Importance: Dopamine D₂-receptor and 5-hydroxytryptamine (5-HT_{2A}) receptor antagonist. Antipsychotic agent

Physical Description: Dimorph. cryst. (Me₂CO or 2-propanol/EtOAc)

Development Status: Launched 1996 (UK) (Lundbeck)

Melting Point: Mp 154-155°. Mp 166°

Calculated Log P Data: Log P 5.02 (uncertain value) (calc)

References:

- Eur. Pat.*, 1986, *H Lundbeck*, 200 322; *CA*, **106**, 67110, (*synth, activity*)
Skarsfeldt, T. *et al.*, *Eur. J. Pharmacol.*, 1990, **182**, 613, (*pharmacol*)
Sanchez, C. *et al.*, *Drug Dev. Res.*, 1991, **22**, 239, (*pharmacol*)
Hyttel, J. *et al.*, *Clin. Neuropharmacol., Suppl.* 1, 1992, **15**, 267A, (*pharmacol, rev*)
Perregaard, J. *et al.*, *J. Med. Chem.*, 1992, **35**, 1092, (*synth, pmr*)
Tzeng, T.B. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **661**, 299, (*hplc*)
Dunn, C.J. *et al.*, *CNS Drugs*, 1996, **5**, 224, (*rev, pharmacokinet*)