

Catalog # 10-2314

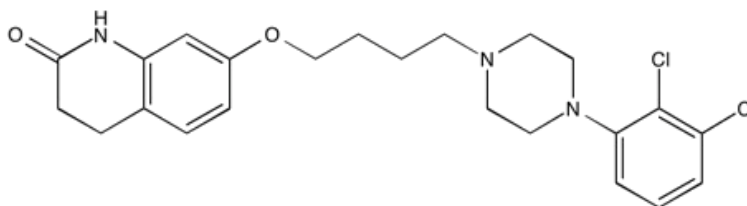
Aripiprazole

129722-12-9

7-[4-[4-(2,3-Dichlorophenyl)-1-piperazinyl]butoxy]-3,4-dihydro-2(1H)-quinolinone

OPC-14597

Lot # X105510



Clinically useful neuroleptic and antipsychotic agent¹. Dopamine D2 receptor antagonist and autoreceptor agonist². Improves symptoms of psychosis associated with Alzheimer's disease³. Blocks cocaine-seeking behavior without affecting other rewarding behaviors in animal models⁴.

- 1) Green *et al.* (2004), *Focus on aripiprazole*; *Curr. Med. Res. Opin.*, **20** 207
- 2) Kikuchi *et al.* (1995), 7-(4-[4-(2,3-dichlorophenyl)-1-piperazinyl]butyloxy)-3,4-dihydro-2(1H)-quinolinone (OPC-14597), a new putative antipsychotic drug with both presynaptic dopamine autoreceptor agonistic activity and postsynaptic D2 receptor antagonistic activity; *J. Pharmacol. Exp. Ther.*, **274** 329
- 3) Madhusoodanan *et al.* (2008), *Management of psychosis in patients with Alzheimer's disease: focus on aripiprazole*; *Clin. Interv. Aging*, **3** 491
- 4) Feltenstein *et al.* (2007), *Aripiprazole blocks reinstatement of cocaine seeking in an animal model of relapse*; *Biol. Psychiatry*, **61** 582

PHYSICAL DATA

Molecular Weight:	448.40
Molecular Formula:	C ₂₃ H ₂₇ Cl ₂ N ₃ O ₂
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 30 mg/ml) or Ethanol (up to 5 mg/ml with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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