



LKT Laboratories, Inc.

Haloperidol

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Product Information

Product ID H0142

CAS No. 52-86-8

Chemical Name 1-Butanone, 4-(4-(4-chlorophenyl)-4-hydroxy-1-piperidinyl)-1-(4-fluorophenyl)-

Synonym Haldol, Halosten, Linton, Keselan, Aloperidin, Brotopon, Dozic.

Formula C₂₁H₂₃ClFNO₂

Formula Wt. 375.86

Melting Point 148-149.4 °C

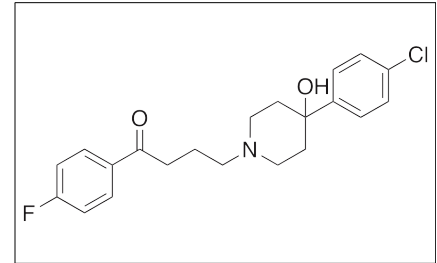
Purity ≥95%

Solubility Soluble in chloroform, ethanol (16 mg/mL), methanol, acetone or benzene. Insoluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Haloperidol is a butyrophenone antipsychotic that is clinically used to treat psychosis, obsessive-compulsive disorder, and various other personality disorders. Haloperidol acts as an antagonist at D2 receptors, α1-adrenergic receptors, 5-HT2A receptors, and σ1 receptors; it also activates σ2 receptors.



Bulk quantities available upon request

Product ID	Size
H0142	1 g
H0142	5 g
H0142	10 g
H0142	25 g

References Cobos EJ, del Pozo E, Baeyens JM. Irreversible blockade of sigma-1 receptors by haloperidol and its metabolites in guinea pig brain and SH-SY5Y human neuroblastoma cells. *J Neurochem.* 2007 Aug;102(3):812-25. PMID: 17419803.

Colabufo NA, Berardi F, Contino M, et al. Antiproliferative and cytotoxic effects of some sigma2 agonists and sigma1 antagonists in tumour cell lines. *Naunyn Schmiedebergs Arch Pharmacol.* 2004 Aug;370(2):106-13. PMID: 15322732.

Seeman P, Tallerico T. Antipsychotic drugs which elicit little or no parkinsonism bind more loosely than dopamine to brain D2 receptors, yet occupy high levels of these receptors. *Mol Psychiatry.* 1998 Mar;3(2):123-34. PMID: 9577836.

Schotte A, Janssen PF, Megens AA, et al. Occupancy of central neurotransmitter receptors by risperidone, clozapine and haloperidol, measured ex vivo by quantitative autoradiography. *Brain Res.* 1993 Dec 24;631(2):191-202. PMID: 7510574.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.