



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** C<sub>21</sub>H<sub>23</sub>ClFNO<sub>2</sub>

**Formula Wt.** 375.86

**Melting Point** 148-149.4 °C

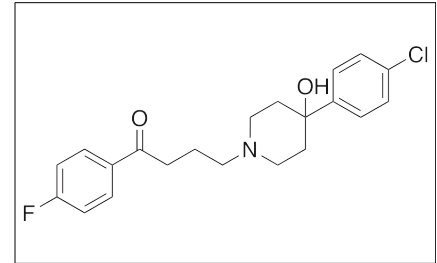
**Purity** ≥95%

**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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
H0142	1 g	\$44.80
H0142	5 g	\$74.90
H0142	10 g	\$112.40
H0142	25 g	\$314.70

**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.