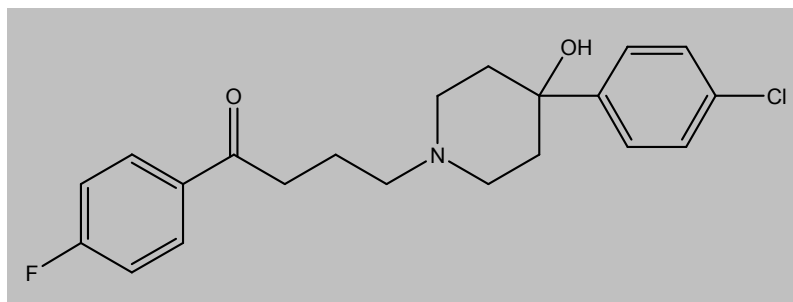


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 06/12/2016  
COA Revision Date: 06/12/2019

**Product:** Haloperidol  
**Cat. No.:** BG0211  
**Batch No.:** 0211BG/01  
**Chemical Name:** 4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>23</sub>ClFNO<sub>2</sub>  
**Batch Molecular Weight:** 375.86  
**CAS No.:** [52-86-8]  
**Physical Appearance:** White crystalline powder  
**Melting Point:** 151 - 153° C  
**Solubility:** Soluble to 10 mM in ethanol or to 25 mM in DMSO  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** Dopamine antagonist with selectivity for D<sub>2</sub>-like receptors (K<sub>i</sub> values are 1.2, ~7, 2.3, ~80 and ~100 nM for D<sub>2</sub>, D<sub>3</sub>, D<sub>4</sub>, D<sub>1</sub> and D<sub>5</sub> receptors respectively). Subtype selective NMDA antagonist and σ ligand. Is used primarily to treat schizophrenia and other psychoses.

**References:** 1. Beresford and Ward (1987) Drugs 33:31; 2. Seeman and van Tol (1994) TiPS 15:264; 3. Ilyin et al. (1996) Mol Pharmacol 50:1541

- CAUTION - Not fully tested. For Research use only. Not for human use. -



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**BG0211 Haloperidol**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 0.2% (complies); Sulphated ash: 0.03% (complies); Heavy Metals: < 20 ppm (complies); HPLC Assay: 99.8% (complies). Conforms to BP2000.

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