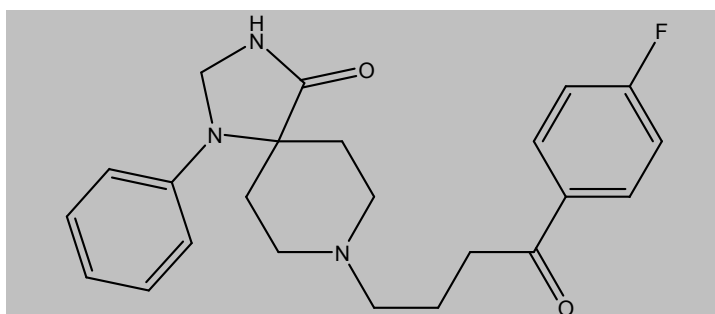


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 27/10/2014
COA Revision Date: 27/10/2017

Product: **Spiperone**
Cat. No.: BN0500
Batch No.: 0500BN/02
Chemical Name: 8-[4-(4-Fluorophenyl)-4-oxobutyl]-1-phenyl-1,3,8-triazaspiro[4,5]decan-4-one;
Spiropitan

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₆FN₃O₂
Batch Molecular Weight: 395.47
CAS No.: [749-02-0]
Physical Appearance: White to off-white solid
Melting Point:
Solubility: Soluble to 1.5 mg/ml in ethanol
Storage: RT
Batch Molecular Structure:



Product Description: **Serotonin 5-HT_{2A} antagonist (K_i = 0.6 nM) and selective D₂-like dopamine receptor antagonist (K_i values are 0.06, 0.6, 0.08, ~ 350, ~ 3500 nM for D₂, D₃, D₄, D₁ and D₅ receptors respectively). Antipsychotic agent.**

References: 1. Peroutka and Snyder (1980) J Pharmacol Exp Ther 215:582; 2. Hoyer et al. (1994) Pharmacol Rev 46:157; 3. Seeman and van Tol (1994) TiPS 15:264

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



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BN0500 Spiperone

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 98% (complies).

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