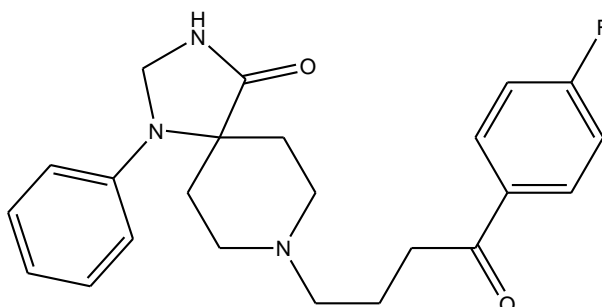


## Spiperone

Cat # NB-48-0869-50mg



### Product Information

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<b>Batch No.:</b>	0500BN/03
<b>Chemical Name:</b>	8-[4-(4-Fluorophenyl)-4-oxobutyl]-1-phenyl-1,3,8-triazaspiro[4,5]decan-4-one; Spiropitan
<b>Batch Molecular Formula:</b>	C <sub>23</sub> H <sub>26</sub> FN <sub>3</sub> O <sub>2</sub>
<b>Batch Molecular Weight:</b>	395.47
<b>CAS No.:</b>	[749-02-0]
<b>Physical Appearance:</b>	White to off-white solid
<b>Storage:</b>	Room Temperatur

### Solvent and solubility

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Soluble to 1.5 mg/ml in ethanol

### Biological activity

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Serotonin 5-HT<sub>2A</sub> antagonist (K<sub>i</sub> = 0.6 nM) and selective D<sub>2</sub>-like dopamine receptor antagonist (K<sub>i</sub> values are 0.06, 0.6, 0.08, ~ 350, ~ 3500 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). Antipsychotic agent.

### References

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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. -

NB-48-0869 Spiperone

## Analytical data

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HPLC:	corresponds to the reference
MS:	corresponds to the reference
Tests:	HPLC Assay: > 98% (complies).

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