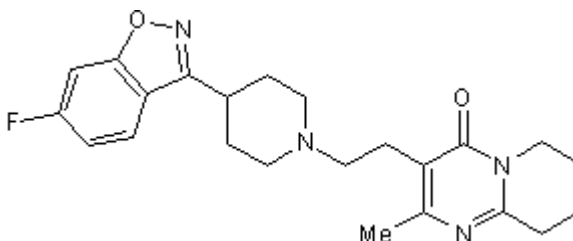


Product Name: Risperidone **Catalog No.:** 2865 **Batch No.:** 1
CAS Number: 106266-06-2
IUPAC Name: 3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₇FN₄O₂·½H₂O
Batch Molecular Weight: 414.98
Physical Appearance: White solid
Solubility: DMSO to 10 mM
 ethanol to 10 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.57	6.68	13.5
Found	66.67	6.6	13.49

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Description:

Atypical antipsychotic agent that displays 5-HT_{2A} receptor antagonism. Also displays high affinity at D₂ receptors (K_i values are 0.4 and 3.13 nM for 5-HT_{2A} and D₂ receptors respectively).

Physical and Chemical Properties:

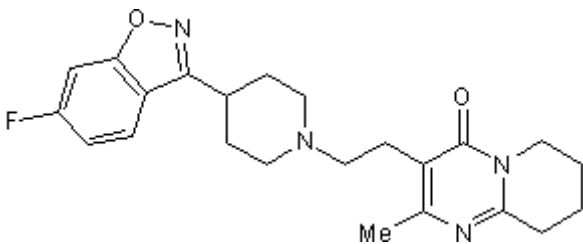
Batch Molecular Formula: C₂₃H₂₇FN₄O₂·¼H₂O

Batch Molecular Weight: 414.98

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 10 mM
ethanol to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Leysen et al (1988) Biochemical profile of risperidone, a new antipsychotic. J.Pharmacol.Exp.Ther. **247** 661. PMID: 2460616.

Leysen et al (1994) Risperidone: a novel antipsychotic with balanced serotonin-dopamine antagonism, receptor occupancy profile, and pharmacologic activity. J.Clin.Psychiatry **55** (Suppl.) 5. PMID: 7520908.

Stathis et al (1996) Risperidone: a novel antipsychotic with many "atypical" properties. Psychopharmacol. **127** 181.

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