

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

Risperidone

### Product overview

<b>Name</b>	Risperidone
<b>Cat No</b>	HB1740
<b>Alternative names</b>	R 64 766
<b>Biological action</b>	Antagonist
<b>Purity</b>	>99%
<b>Description</b>	5-HT <sub>2A</sub> and D <sub>2</sub> receptor antagonist

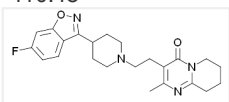
### Biological Data

<b>Biological description</b>	5-HT <sub>2A</sub> and D <sub>2</sub> receptor antagonist (K <sub>i</sub> values are 0.4, 1.3, 6.7 and 7.5 nM at 5-HT <sub>2A</sub> , D <sub>2</sub> , D <sub>3</sub> and D <sub>5</sub> receptors respectively). Also shows affinity for α <sub>1</sub> and α <sub>2</sub> and H <sub>1</sub> receptors. Atypical antipsychotic. Active <i>in vivo</i> .
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	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
<b>Molecular Weight</b>	410.48
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>27</sub> FN <sub>4</sub> O <sub>2</sub>
<b>CAS Number</b>	106266-06-2
<b>PubChem identifier</b>	5073
<b>SMILES</b>	FC1=CC2=C(C(C3CCN(CCC4=C(C)N=C(CCCC5)N5C4=O)CC3)=NO2)C=C1
<b>InChiKey</b>	RAPZEAPATHNIPO-UHFFFAOYSA-N

### References

#### Biochemical profile of risperidone, a new antipsychotic.

Leysen JE *et al* (1988) J Pharmacol Exp Ther 247(2)

**PubMedID** [2460616](#)

#### Antipsychotic drugs: importance of dopamine receptors for mechanisms of therapeutic actions and side effects.

Strange PG (2001) Pharmacol Rev 53(1)

**PubMedID** [11171942](#)

**Long-term effects of olanzapine, risperidone, and quetiapine on dopamine receptor types in regions of rat brain: implications for antipsychotic drug treatment.**

Tarazi FI *et al* (2001) *J Pharmacol Exp Ther* 297(2)

**PubMedID**

[11303062](#)

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