

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

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

customer-care-usa@m2stage.hellobio.com



DATASHEET

Risperidone

Product overview

Name	Risperidone
Cat No	HB1740
Alternative names	R 64 766
Biological action	Antagonist
Purity	>99%
Description	5-HT _{2A} and D ₂ receptor antagonist

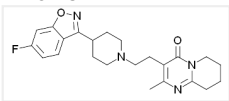
Biological Data

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

Solubility & Handling

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

Chemical Data

Chemical 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
Molecular Weight	410.48
Chemical structure	
Molecular Formula	C ₂₃ H ₂₇ FN ₄ O ₂
CAS Number	106266-06-2
PubChem identifier	5073
SMILES	FC1=CC2=C(C(C3CCN(CCC4=C(C)N=C(CCCC5)N5C4=O)CC3)=NO2)C=C1
InChIKey	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
