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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Risperidone                                                                                                                                                                                                                                       |
| <b>Synonyms</b>          | : Apexidone; R-64766; R64766                                                                                                                                                                                                                        |
| <b>Cat No.</b>           | : M10279                                                                                                                                                                                                                                            |
| <b>CAS Number</b>        | : 106266-06-2                                                                                                                                                                                                                                       |
| <b>Molecular Formula</b> | : C <sub>23</sub> H <sub>27</sub> N <sub>4</sub> O <sub>2</sub>                                                                                                                                                                                     |
| <b>Formula Weight</b>    | : 410.48                                                                                                                                                                                                                                            |
| <b>Chemical Name</b>     | : 4H-Pyrido[1,2-a]pyrimidin-4-one, 3-[2-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-                                                                                                                       |
| <b>Description</b>       | : An antipsychotic agent with serotonin-S <sub>2</sub> and dopamine-D <sub>2</sub> antagonistic properties; also has actions at several 5-HT receptor subtypes, adrenergic receptors and histamine H <sub>1</sub> receptors. Schizophrenia Approved |
| <b>Pathway</b>           | : Endocrinology/Hormones                                                                                                                                                                                                                            |
| <b>Target</b>            | : 5-HT Receptor                                                                                                                                                                                                                                     |
| <b>Receptor</b>          | : 5-HT <sub>2A</sub> ; D <sub>2</sub> ; D <sub>2L</sub> ; D <sub>3</sub> ; α <sub>2C</sub> -adrenergic receptor                                                                                                                                     |
| <b>Solubility</b>        | : DMSO: < 4.1 mg/mL                                                                                                                                                                                                                                 |
| <b>SMILES</b>            | : <chem>O=C1C(CCN2CCC(C3=NOC4=CC(F)=CC=C34)CC2)=C(C)N=C5N1CCCC5</chem>                                                                                                                                                                              |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                           |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                         |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                   |

1. Janssen PA, et al. J Pharmacol Exp Ther. 1988 Feb;244(2):685-93. | 2. Megens AA, et al. Psychopharmacology (Berl). 1988;95(4):493-6. | 3. Dugovic C, et al. Neuropharmacology. 1989 Dec;28(12):1431-3. | 4. Smith C, et al. Mol Pharmacol. 2006 Oct;70(4):1264-70.