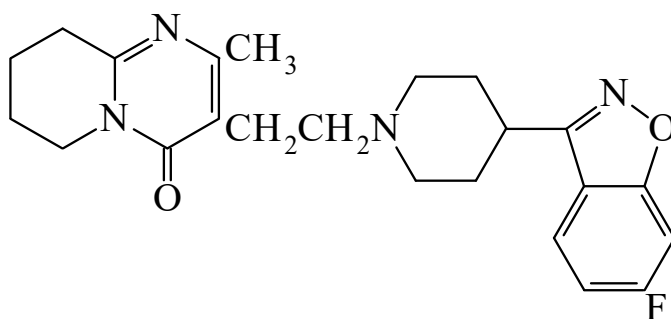




>>Entry Name: Risperidone, BAN, INN, USAN

Synonym(s): 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, 9Cl. Belivon. Risperdal. Rispolin. R 64766



CAS Registry Number: 106266-06-2

Molecular Formula: C₂₃H₂₇FN₄O₂

Molecular Weight: 410.49

Accurate Mass: 410.211804

Percentage Composition: C 67.30%; H 6.63%; F 4.63%; N 13.65%; O 7.80%

Biological Use/Importance: 5-HT₂ and dopamine-D₂ receptor antagonist. Also adrenergic receptor activity. Antipsychotic agent. Used for the treatment of schizophrenia and bipolar disorder

Physical Description: Cryst. (DMF/2-propanol)

Development Status: Marketed drug. Launched 1993 (Canada, UK), 1994 (US). Worldwide 23rd best selling prescription drug (\$1.60 bn) (Johnson and Johnson) (2000, Pharma Business)

Melting Point: Mp 170°

Calculated Log P Data: Log P 2.09 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 56.6 mg/kg. LD₅₀ (rat, ivn) 34.3 mg/kg

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