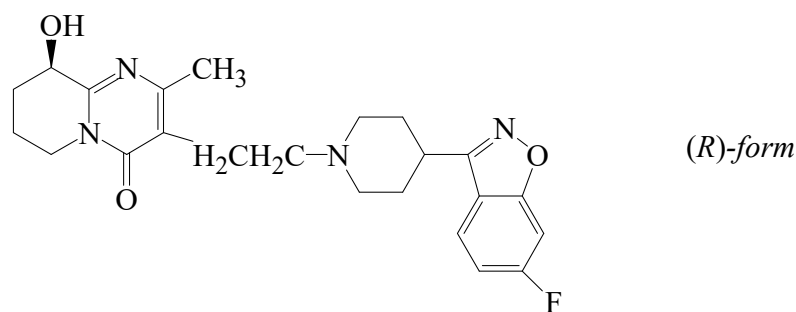




>>Entry Name: Paliperidone, INN

Synonym(s): 3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-9-hydroxy-2-methyl-4*H*-pyrido[1,2-*a*]pyrimidin-4-one, 9Cl. 9-Hydroxyrisperidone



CAS Registry Number: 144598-75-4

Related CAS Registry Numbers(s): 130049-84-2

Molecular Formula: C₂₃H₂₇FN₄O₃

Molecular Weight: 426.49

Accurate Mass: 426.206719

Percentage Composition: C 64.77%; H 6.38%; F 4.45%; N 13.14%; O 11.25%

Metabolism: Metab. of Risperidone [GXG85-X](#)

Biological Use/Importance: Antipsychotic agent

>>Variant: (*R*)-form

CAS Registry Number: 130049-85-3

Molecular Formula: C₂₃H₂₇FN₄O₃

Molecular Weight: 426.49

Accurate Mass: 426.206719

Percentage Composition: C 64.77%; H 6.38%; F 4.45%; N 13.14%; O 11.25%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 160.7°

Optical Rotation: [α]_D +15.42 (c, 0.5 in EtOH)

>>Variant: (*S*)-form

CAS Registry Number: 147663-01-2

Molecular Formula: C₂₃H₂₇FN₄O₃

Molecular Weight: 426.49

Accurate Mass: 426.206719

Percentage Composition: C 64.77%; H 6.38%; F 4.45%; N 13.14%; O 11.25%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 156.9°

Optical Rotation: [α]_D -22.81 (c, 0.5 in EtOH)

References:

Eur. Pat., 1990, *Janssen*, 368 388; *CA*, **113**, 191384n, (*synth, pharmacol*)

U.S. Pat., 1992, *Janssen*, 5 158 952; *CA*, **118**, 240939m, (*isomers*)

Megens, A.A.H. *et al.*, *Drug Dev. Res.*, 1994, **33**, 399-412, (*pharmacol*)

Mannens, G. *et al.*, *Psychopharmacology (Berlin)*, 1994, **114**, 566-572, (*pharmacol*)

Fang, J. *et al.*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1999, **359**, 147-151, (*pharmacol*)