

Paliperidone

Developer(s)

Janssen Pharmaceuticals

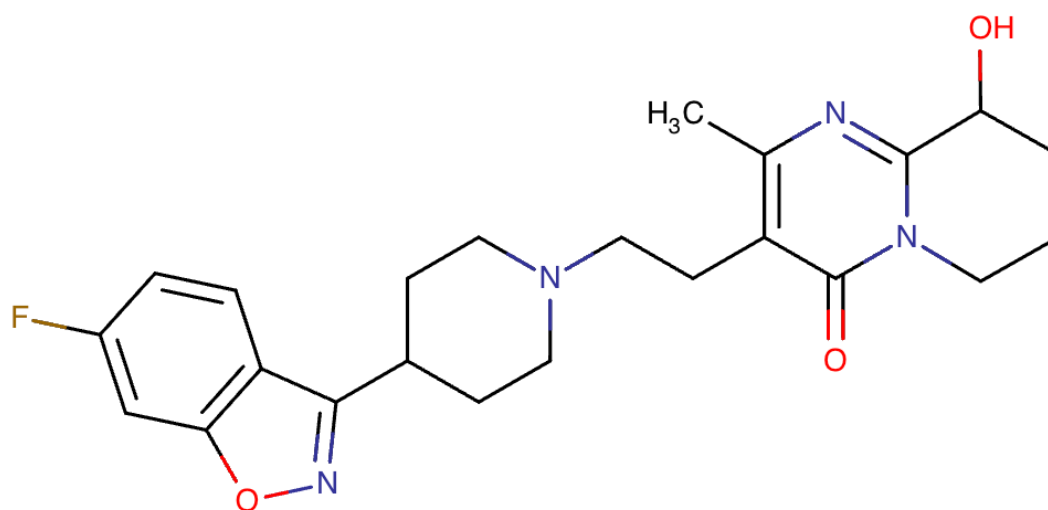
<https://www.janssen.com/>

Belgium



Janssen Pharmaceuticals is a subsidiary company of Johnson & Johnson headquartered in Beerse, Belgium. They focus on manufacturing and developing pharmaceutical products for use in areas such as, Immunology, Infectious Diseases & Vaccines, Pulmonary Hypertension, Cardiovascular & Metabolism, Oncology, and Neuroscience.

Drug structure



Paliperidone Chemical Structure

Sourced From DrugBank

Drug information

Associated long-acting platforms

Not provided

Administration route

Oral, Intramuscular

Therapeutic area(s)

Mental health

Use case(s)

Treatment

Use of drug

Ease of administration

Administered by a nurse

Administered by a specialty health worker

Self-administered

User acceptance

Not provided

Dosage

Available dose and strength

Not provided

Frequency of administration

Not provided

Maximum dose

Not provided

Recommended dosing regimen

Not provided

Additional comments

Not provided

Dosage link(s)

Not provided

Drug information

Drug's link(s)

Not provided

Generic name

Paliperidone Palmitate

Brand name

Not provided

Compound type

Small molecule

Summary

Paliperidone is an atypical antipsychotic drug indicated for the treatment of both schizophrenia & schizoaffective disorder. Paliperidone is the primary active metabolite of risperidone and functions by strongly binding to dopaminergic D2- and serotonergic 5-HT₂-receptors and selectively blocking monoamine effects. Although paliperidone is a potent D2-antagonist, it has less of impact on motor function and catalepsy than traditional neuroleptics. Paliperidone palmitate is the palmitate ester prodrug of paliperidone and displays modest solubility in polar solvents. Several long-acting injectable aqueous nanocrystal formulations of paliperidone palmitate are available as once-monthly (PP1M), three-monthly (PP3M) and six-monthly (PP6M) extended-release suspensions for intramuscular injection.

Approval status

Unknown

Regulatory authorities

Unknown

Delivery device(s)

Not provided

Scale-up and manufacturing prospects

Scale-up prospects

Not provided

Tentative equipment list for manufacturing

Not provided

Manufacturing

Not provided

Specific analytical instrument required for characterization of formulation

Not provided

Clinical trials

Not provided

Excipients

Proprietary excipients used

Not provided

Novel excipients or existing excipients at a concentration above Inactive Ingredients Database (IID) for the specified route of administration

Not provided

Residual solvents used

Not provided

Patent info

There are either no relevant patents or these were not yet submitted to LAPaL

Supporting material

Publications

There are no publication

Additional documents

No documents were uploaded

Useful links

There are no additional links

Access principles

Collaborate for development



Consider on a case by case basis, collaborating on developing long acting products with potential significant public health impact, especially for low- and middle-income countries (LMICs), utilising the referred to long-acting technology

Not provided

Share technical information for match-making assessment



Provide necessary technical information to a potential partner, under confidentiality agreement, to enable preliminary assessment of whether specific medicines of public health importance in LMICs might be compatible with the referred to long-acting technology to achieve a public health benefit

Not provided

Work with MPP to expand access in LMICs



In the event that a product using the referred to long-acting technology is successfully developed, the technology IP holder(s) will work with the Medicines Patent Pool towards putting in place the most appropriate strategy for timely and affordable access in low and middle-income countries, including through licensing

Not provided

Comment & Information

Not provided