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**Paliperidone**

## Developer(s)

Janssen Pharmaceuticals

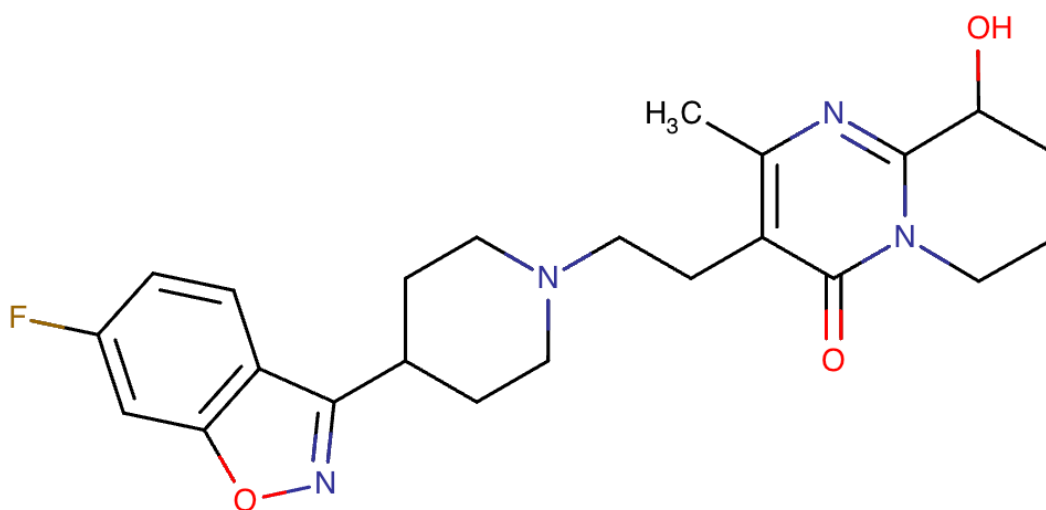
<https://www.janssen.com/>

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



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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-HT<sub>2</sub>-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