



# Paracetamol



# Introduction

- Paracetamol: It is a drug used to treat fever and mild to moderate pain. It is also known as acetaminophen.
- Formula:  $\text{C}_8\text{H}_9\text{NO}_2$
- Molar Mass - 151.163 g/mol
- Melting Point: 169 °C
- Drug Class: Analgesics and antipyretics
- IUPAC ID: N-(4-hydroxyphenyl)acetamide, N-(4-hydroxyphenyl)ethanamide
- Soluble in: Water, Alcohol

# Companies selling paracetamol

Company	Product	Price
Cipla	Parafast Tablet	10
Ranbaxy	Doliza Tab	11
Ipca Labs	Pacimol XP 500mg	17.76

# Cipla - Parafast

## **Combination:**

Aceclofenac + Paracetamol<sup>1</sup> and Aceclofenac + Paracetamol<sup>2</sup>

## **Mechanism:**

They block the action of chemical messengers responsible for pain, fever and inflammation (redness and swelling).

## **Uses:**

Helps in relieving pain, controls fever and inflammation.

## **Side Effects:**

Nausea, Vomiting, Stomach pain/epigastric pain, Loss of appetite, Heartburn, Diarrhea.

# Ranbaxy – Doliza Tab

## **Combination:**

Aceclofenac + Paracetamol<sup>1</sup> and Aceclofenac + Paracetamol<sup>2</sup>

## **Mechanism:**

It works by blocking the release of certain chemical messengers that cause pain and fever.

## **Uses:**

Effective in relieving pain caused by headache, migraine, nerve pain, toothache, sore throat, period (menstrual) pains, arthritis, and muscle aches.

## **Side Effects:**

Nausea, Vomiting, Stomach pain/epigastric pain.

# Ipca Labs – Pacimol XP 500mg

## **Combination:**

Aceclofenac + Paracetamol<sup>1</sup> and Aceclofenac + Paracetamol<sup>2</sup>

## **Mechanism:**

Pacimol XP Tablet DT is an analgesic (pain reliever) and anti-pyretic (fever reducer). It works by blocking the release of certain chemical messengers that cause pain and fever.

## **Uses:**

Effective in relieving pain caused by headache, migraine, nerve pain, toothache, sore throat, period (menstrual) pains, arthritis, and muscle aches.

## **Side Effects:**

Nausea, Vomiting, Stomach pain.

# Strategies to be followed

1. **Combination:** As the combination of all the products are same, will be an advantage if we can find any other combination that can avoid side effects.
2. **Uses:** As Ranbaxy – Doliza Tab & Ipca Labs – Pacilom XP 500mg are having maximum uses such as relieving pain caused by headache, migraine, nerve pain, toothache, sore throat, period (menstrual) pains, arthritis, and muscle aches. But none of them are sure or accurate about the reduction of temperature. We can concentrate in that area.
3. **Side effects:** Most of the products are having Nausea, Vomiting, Stomach pain/epigastric pain as side effects and a large number is reported in Cipla's parafast product. In this case if your product can avoid these side effects then there is 90% chance of occupying the market.
4. **Price:** Cipla's parafast is having the moderate or competitive price, it is always suggested to keep a competitive price than keeping a very low or very high price while launching in the market. Any where in between Rs. 10 - Rs. 15 is a good price in my opinion.

# Sources

- <https://sastimedicine.com/salt-alternatives/13550-1692854/Paracetamol-500mg-Price-Dosage-Side-Effects-and-Generic-Alternatives-its-cost>
- [www.1mg.com](http://www.1mg.com)
- [www.pharmeasy.com](http://www.pharmeasy.com)
- [www.practo.com](http://www.practo.com)