

## **NSAID**

Non steroidal anti-inflammatory Drugs

# How to Learn Drug's Name and Classification

To learn the drug's name easily just follow these basic checklist-

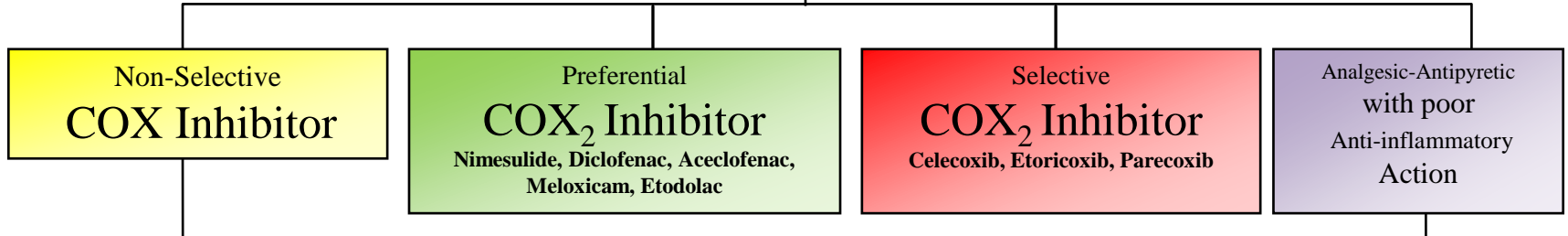
1. **Just read the pathophysiology of that particular Disease and Disorder for which you are learning classification**
2. Separate the common and similar drugs name
3. Try to find the reason for giving particular name to subclass name
4. Write down the first letter of each drug on a separate paper and try to make a phrase related to the main class with using all those selected words. If required you can rearrange the sequences.
5. Repeat these steps with other class of drugs
6. Make a 03 copies of classification- (1) for Pocket (2) for wall of bedroom (3) Bathroom
7. Read one daily till 07 days (one Class per week)
8. Ask someone to check your answers and instruct him/her to ask you the random classifications
9. Write many times as you can
10. **Write down the trick or phrase you have made in a separate place.**

<https://www.youtube.com/c/SOLUTIONpushpendra>

Visit and subscribe Solution's YouTube channel, Exclusively for Experiment related videos.

**NSAID**  
Non steroidal anti-inflammatory Drugs

\*Classification- KD Tripathi



Category	Example
Salicylates	<b>Aspirin</b>
Acetic acid derivative	<b>Indomethacin</b> , Nabumetone, Ketorolac,
Pyrazolone derivative	Oxyphenbutazone, Phenylbutazone
Propionic acid derivative	Ketoprofen, Flurbiprofen, <b>Ibuprofen</b> , Naproxen,
Fenamate	Mephenmic acid
Enolic acid derivative	Piroxicam, Tenoxicam

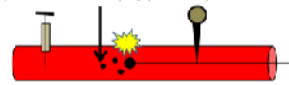
Example
<b>Paracetamol (Acetaminophen)</b>
<b>Metamizol, Propiphenazone</b>
<b>Nefopam</b>

\*Constitutive = Constant Production

**Key Point (Solution)** - As name Indicate **NSAIDs** are those agents which are used to get relief from pain, inflammation and fever. And as per the COX pathway we understand that **COX-1** and **COX-2** ultimately form **prostaglandin** which initiates perception of **pain and inflammation**. So **anyhow if we block or inhibit the synthesis of PG we may reduce pain and inflammation**. Although **COX-1** is constitutive in nature thus it always get secreted without induction of injury and called as a house keeper so it's better to inhibit **COX-2** rather than **COX-1**.

<https://www.youtube.com/c/SOLUTIONpushpendra>

Visit and subscribe Solution's YouTube channel, Exclusively for Experiment related videos.



Breakdown of Membrane Phospholipids

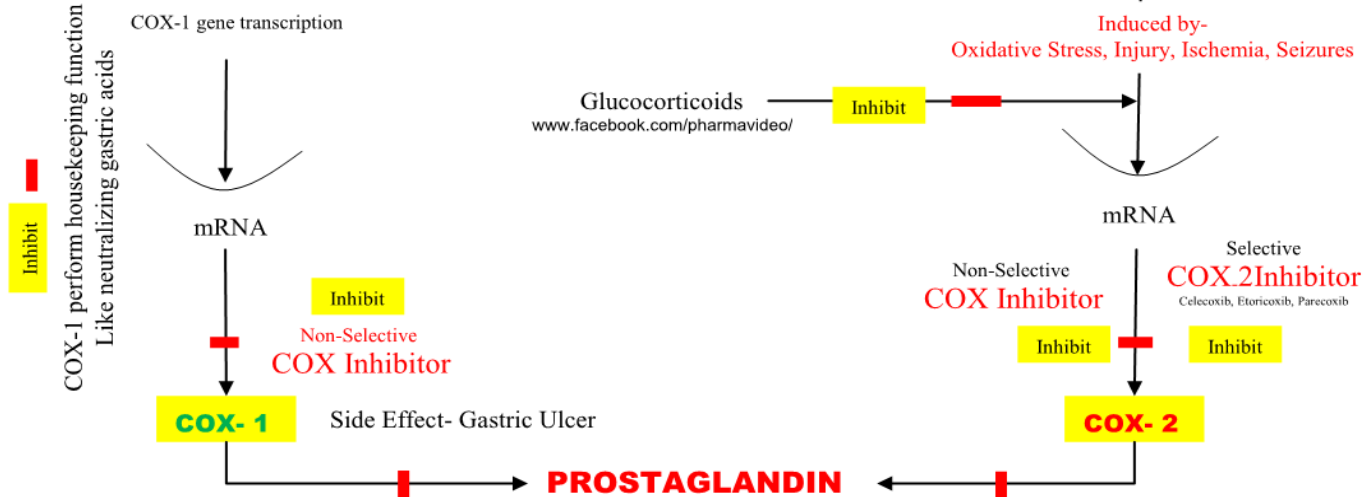
Arachidonic acid

<https://www.youtube.com/c/SOLUTIONpushendra>  
Visit and subscribe Solution's YouTube channel, Exclusively for Experiment related videos.

## Mechanism of Action

Cyclooxygenase Pathway

\*Rough Idea- Lippincott



## Non-Selective COX Inhibitor

01

Non Selective means they may act either COX-I or COX-II

02

Category	Example
Salicylates	Aspirin
Acetic acid derivative	Indomethacin, Nabumetone, Ketorolac,
Pyrazolone derivative	Oxyphenbutazone, Phenylbutazone
Propionic acid derivative	Ketoprofen, Flurbiprofen, Ibuprofen, Naproxen,
Fenamate	Mephenmic acid
Enolic acid derivative	Piroxicam, Tenoxicam



01

सैलेरी लेट से आई तो ऐसी दिलाने का प्यारा प्रोमिस फेंटा और इनो के बुलबुले की तरह उड़ गया

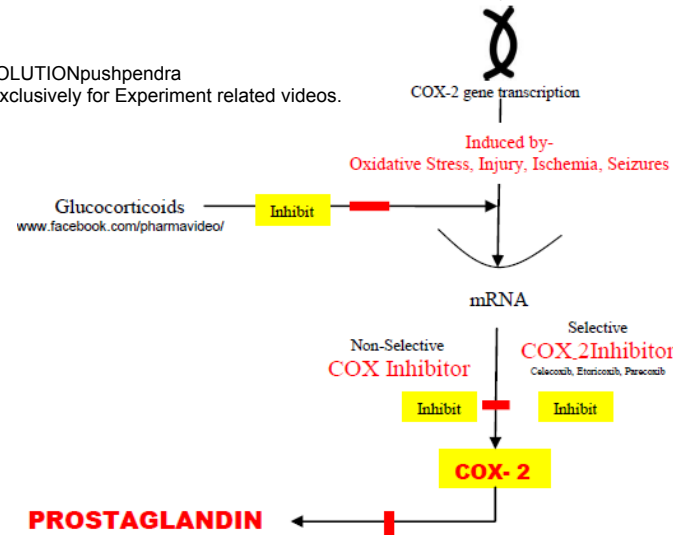
02

अब इनके आर्डर को फ्रोन करके फेन में बदलना पड़ेगा, जिसमे फिर ककम से कम टेन डेज लगेंगे

# Preferential COX<sub>2</sub> Inhibitor

They Prefer to Act at -COX-II so that these are more beneficial

<https://www.youtube.com/c/SOLUTIONpushpendra>  
Visit and subscribe Solution's YouTube channel, Exclusively for Experiment related videos.



**A**ceclofenac, **D**iclofenac, **M**eloxicam, **E**todolac, **N**imesulide

अब ऐसी देखने **EXCITEMENT** में नहीं मेरा

Selective  
**COX<sub>2</sub> Inhibitor**

They Prefer to Act at -COX-II so that these are more beneficial



**Celecoxib, Etoricoxib, Parecoxib**

कोई सी भी सेलो की इलेक्ट्रॉनिक पंखा देखते हैं

**Analgesic-Antipyretic**  
with poor  
Anti-Inflammatory Action

Example
Paracetamol (Acetaminophen)
Propiphenazone, Metamizol,
Nefopam

पर परसेंटेज प्रॉफिट में नुकसान होगा  
(क्योंकि एसी तो बाद में लेना ही पड़ेगा)