

## Drug Classes & Actions: NSAIDs Cheat Sheet by Roxanne (Reuben) via cheatography.com/69645/cs/17626/

Commonly Prescribed For	
Arthritis	Post-Operative Pain
Acute Gout	Inflammatory Pain r/t Tissue Injury
Dysmenorrhoea	Fever
Headache & Migraine	Lower Back Pain
Renal Colic	Macular Edema

Indications	
Antipyretic	Fever Reduction
Analgesic	Pain Relief
Antithrombotic	Reduces Blood Clotting
Anti-Inflammatory	Reduces Inflammation

## Mechanism Of Action - Enzyme Inhibitor

**Inhibits Cyclooxygenase (COX):** COX-1 and COX-2 helps in the production of prostaglandins, which are responsible for aiding the inflammatory response by acting as a vasodilator and inhibiting the aggregation of blood platelets.

**Antipyretic Properties**: Can be used to treat fever. Works on the hypothalamus by inhibiting prostaglandin E2 (PGE2) via COX, which raises the thermal set point.

**COX-1** acts on the mucosa lining of the stomach to keep it from being eroded away by stomach acid.

COX-2 does not act on the lining of the stomach, so certain NSAIDs which work on COX-2 but not COX-1 are preferable to keep the function of the stomach intact and protected.

## Generic & Trade Names

Generic	Trade	Route
Diclofenac	Voltaren	Oral,
Ibuprofen	Advil, Motrin	Oral, Parenteral
Naproxen	Aleve	Oral

COX-2 Selective	e
Celecoxib	Celebrex
Morniflumate	
Etoricoxib	
Nimesulide	
Parecoxcib	
Talniflumate	

Name Endings	
-Coxib	COX-2 inhibitor
-Profen	Anti-inflammatory/Analgesic
-Fenac	Anti-inflammatory Agent

Precautions
Not Recommended For
Pregnancy
Cardiovascular Disease
Renal Disease
GI Bleeds (history of & currently)
Uncontrolled Hypertension

Interactions		
Interactions	Increases	Decreases
Aspirin	GI Side Effects	Effectiveness of NSAID
Diuretics		Effects of Diurectic
Antihypertensive		Effects of Antihypertensives

Side Effects	
Gastrointestinal Ulcers & Bleeds	Dry Eyes
Myocardial Infarction	Dizziness
Nephropathy	Diarrhea
Raised Liver Enzymes	Nausea
Hypertension	Dyspepsia
Salt & Fluid Retention	Bronchospasms

Pharmacodynamics/Kinetics		
	Oral	Serum
Onset	30-60 Minutes	
Peak	2-4 Hours	2-2.5 Hours
Duration	6-8 Hours	
Absorption	Rapid	Readily

Nursing Diagnoses	
Nursing Diagnoses	
Acute Pain	Indications
Risk for imbalanced body temperature	Indications
Deficient knowledge r/t 1. disease process or/and 2. medication regimen	Indicates Teaching



By **Roxanne** (Reuben) cheatography.com/reuben/

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Avoid taking before surgery  ADDITIONAL NOTES  References  https://www.healthlinkbc.ca/medications/tv853 https://www.myvmc.com/treatments/nsaids-nc ammatory-drugs/ Davis's Nursing Drug Guide 16th Edition	
note associated signs (diaphoresis, tachycardia, malaise, chills)  aboratory Test Considerations  What Focus  BEC  BI Effects Pain, Bleeding, Bruising, Dyspepsia Benal Function Urine Output, Serum BUN, Creatinine Besponse Pain, ROM, Grip Strength, Mobility, ADL Functions Biver Functions  alternated Household Bulleting Strength, Mobility, ADL Functions  alternated Function  alternated	
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