

PARACETAMOL CODEINE ACETAMINOPHEN CODEINE

Indications:

It is used to treat mild to moderately severe pain & cough.

Pharmacological Category:

Analgesics, Opioid Combos

Pregnancy:

Pregnancy category: C

It may prolong delivery and cause respiratory depression/withdrawal symptoms in newborn.

Lactation:

Advise women that breastfeeding is not recommended during treatment with this drug.

Side effects:

Common adverse effects are as follows:

Hepatic failure, hepatic necrosis, renal failure (unspecified), renal tubular necrosis, interstitial nephritis, renal papillary necrosis, agranulocytosis, pancytopenia, angioedema, toxic epidermal necrolysis, anaphylactoid reactions, exfoliative dermatitis, anaphylactic shock, acute generalized exanthematous pustulosis (AGEP), cardiac arrest, neonatal abstinence syndrome serotonin syndrome, SIADH

Contraindications:

- Hypersensitivity
- Hepatitis or severe hepatic/renal impairment
- Postoperative pain management in children who have undergone tonsillectomy and/or adenoidectomy

Interactions:

CYP2D6 inhibitors (e.g., paroxetine, fluoxetine, bupropion, quinidine)

CYP3A4 inhibitors such as macrolide antibiotics (e.g., erythromycin), azole-antifungal agents (e.g., ketoconazole), and protease inhibitors (e.g., ritonavir)

CYP3A4 inducers (e.g., rifampin, carbamazepine, phenytoin)

Benzodiazepines and Other Central Nervous System (CNS) Depressants

Serotonergic Drugs such as selective serotonin reuptake inhibitors (SSRIs), serotonin and norepinephrine reuptake inhibitors (SNRIs), tricyclic antidepressants (TCAs), triptans, 5-HT₃ receptor antagonists, drugs that affect the serotonin neurotransmitter system (e.g., mirtazapine, trazodone, tramadol), and monoamine oxidase (MAO) inhibitors

Mixed Agonist/Antagonist and Partial Agonist Opioid Analgesics such as

butorphanol, nalbuphine, pentazocine,

Muscle Relaxants, Diuretics, Anticholinergic Drugs

Dose:

Adult:

Mild to Moderately Severe Pain

30-60 mg codeine/dose PO q4-6hr; not to exceed 360 mg codeine/day or 4 g acetaminophen/day

Cough

15-30 mg codeine/dose PO q4-6hr; not to exceed 360 mg codeine/day or 4 g acetaminophen/day

Pediatric:

Mild to Moderately Severe Pain

7-12 years: 0.5-1 mg codeine/kg/dose PO q4-6hr (not to exceed 5 doses q24hr); 10-15 mg acetaminophen/kg/dose PO q4-6hr (not to exceed 2.6 g acetaminophen q24hr)

>12 years: As adults; single dose range is 15-60 mg/dose for codeine (not to exceed 360 mg q24hr) and 300-1000 mg/dose for acetaminophen (not to exceed 4 g q24hr); may repeat dose q4hr

Administration:

Dosage should be adjusted according to severity of pain and response of the patient.

Administer with a full glass of water. May be taken with food or milk to minimize GI irritation.

Dosage Forms:

Each oral tablet contains 300 mg acetaminophen + 10 mg codeine (as phosphate)

References:

1) British National Formulary

68, September 2014- March 2015, pages 276-278

2) Lexicomp, Drug Reference Handbooks, American Pharmacists Association, 20th edition, pages 30-31

3) <https://www.drugs.com/pro/acetaminophen-and-codeine.html>

4) <http://www.pdr.net/drug-summary/Acetaminophen-and-Codeine-Phosphate-Tablets-acetaminophen-codeine-phosphate-3188>

5) <http://reference.medscape.com/drug/tylenol-with-codeine-codeine-acetaminophen-999434>

