

Class

Salicylates, Platelet Aggregator Inhibitor, Anti-Inflammatory

Pharmacologic properties

Aspirin is a salicylate with anti-platelet activity. It inhibits cyclooxygenase, blocking the synthesis of prostaglandin to interfere with platelet aggregation. This action has been demonstrated to reduce mortality in patients suffering from myocardial infarction. Aspirin also has moderate analgesic and anti-pyretic effects. The onset of action is 5-30 minutes, and the duration of action is 3-6 hours.

Indications

- Chest Pain - suspected myocardial ischemia [Protocol 10](#), [Protocol 11](#).

Contraindications

- Known hypersensitivity
- Relative contraindicated in patients with active ulcer disease or asthma
- Pregnant (especially third trimester) or a nursing mother
- Patients < 18 years of age

Side Effects/Adverse Reactions

- Anaphylaxis (if history of hypersensitivity)
- Abdominal discomfort
- Gastrointestinal bleeding (if previous condition exists)

Dosage and Administration**Adult**

- 324 mg PO (Quantity of 4 - 81 mg per tablet of chewable baby aspirin).

Pediatric

- Not indicated for pediatrics for CP – suspected myocardial ischemia.