

**Classification**

Nonsteroidal Anti-inflammatory Drug (NSAID)

**LA County Prehospital Indications**

Multiple provider impressions: pain management; avoid in cardiac chest pain

**Other Common Indications (Not authorized for EMS administration in LA County)**

None

**Adult Dose**

**15mg (1mL) slow IV/IO push, or  
30mg (2mL) IM**

**Pediatric Dose**

**0.5mg/kg (15mg/mL) slow IV/IO push/IM, dose per [MCG 1309](#)** (maximum dose 15mg by any route)

**Mechanism of Action**

Reversibly inhibits cyclooxygenase-1 and 2 enzymes, which decreases formation of prostaglandin precursors. Inhibits platelet function. Ketorolac has analgesic and anti-inflammatory properties.

**Pharmacokinetics**

Onset minutes after IM/IV/IO administration

**Contraindications**

Active bleeding  
Active wheezing  
Age < 4 years old or > 65 years old  
Allergy to NSAIDs  
Current anticoagulation therapy  
Current steroid use  
Head or multisystem trauma  
History of upper GI bleeding or peptic ulcer disease  
History of renal disease or kidney transplant  
Known or suspected pregnancy  
Suspected sepsis or septic shock

**Interactions**

May enhance the adverse/toxic effect of other NSAIDs and enhance the antiplatelet effect of other agents with antiplatelet properties; it may be used if the patient is taking aspirin

**Adverse Effects**

Abdominal Pain  
Headache  
Nausea

**Prehospital Considerations**

- Review contraindications prior to administration
- One-time dose in the prehospital setting