Classification
   Antidysrhythmic

Prehospital Indications
   Cardiac Arrest – Non-Traumatic (adult and pediatric): pulseless ventricular tachycardia or ventricular fibrillation persistent/recurrent after defibrillation x2

Other Common Indications
   Ventricular tachycardia with pulses and adequate perfusion,
   Atrial fibrillation or atrial flutter with rapid ventricular rate unresponsive to other treatments

Adult Dose
   300mg (6mL) IV/IO
   May repeat 150mg (3mL) IV/IO x1 prn after 2-cycles of CPR, max total dose 450mg

Pediatric Dose
   5mg/kg (50mg/mL) IV/IO dose per MCG 1309, max total dose 300mg

Mechanism of Action
   Class III antiarrhythmic agent, which inhibits adrenergic stimulation; affects sodium, potassium, and calcium channels; markedly prolongs action potential and delays repolarization; decreases AV conduction and sinus node function

Pharmacokinetics
   Onset minutes after IV bolus administration

Contraindications
   None in cardiac arrest

Interactions
   None in cardiac arrest

Adverse Effects
   Bradysrhythmias
   Congestive heart failure
   Hypotension

Prehospital Considerations
   - Monitor heart rate, blood pressure, and cardiac rhythm closely post resuscitation
   - Should not be used routinely in cardiac arrest. For use only in ventricular fibrillation or ventricular tachycardia without pulses unresponsive to attempted defibrillation x2