

## **Digitalis Cardiac Glycosides: digoxin and digitoxin**

- Used in Congestive Heart Failure
- Inhibit the Na/K-ATPase pump, therefore slowing down the repolarization of myocytes following action potentials. This results in prolonged action potential and increased force of contraction since high calcium levels within the cell are prolonged
- **Digitoxin**
  - Metabolized by the liver
  - Large volume of distribution because it binds to extravascular proteins
- **Digoxin**
  - Eliminated in the urine
  - Faster onset of action
  - Side effects:
    - Arrhythmias
    - Vomiting
    - Blurry vision