

Overview

- potent diuretics
- Medications: **bumetanide**, **ethacrynic acid**, **furosemide**, **torsemide**

Indications

- manage edema associated with heart failure and hepatic or renal disease
- control hypertension

Mechanism of Action and Drug Effects

- | | |
|--|--|
| - inhibit resorption of sodium and chloride in the thick ascending limb of the loop of Henle | - useful when rapid diuresis is needed due to rapid onset |
| - activate renal prostaglandins -> dilation of blood vessels of kidneys, lungs, and ody | - diuretic action continues even when creatinine decreases below 25 mL/min |
| - reduction in both preload and central venous pressure | - major adverse effect: electrolyte disturbances |



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