

SODIUM BICARBONATE
(SO-dee-um bye-KAR-bon-ayt)
Soda Mint, Baking Soda

PHARMACOLOGICAL CLASSIFICATION:

- alkalinizing agent

THERAPEUTIC CLASSIFICATION:

- systemic and urinary alkalinizer
- systemic hydrogen ion buffer

MECHANISM OF ACTION:

- it is an alkalinizing agent that dissociates to provide bicarbonate ion
- provides bicarbonate ions to buffer strong acids

INDICATIONS:

- adjunct to ACLS (cardiac arrest >20 minutes after ventilation and other problems have been corrected)
- metabolic acidosis
- tricyclic antidepressant overdose

CONTRAINDICATIONS:

- metabolic or respiratory alkalosis
- HTN, convulsions, CHF

SIDE EFFECTS:

- GI: gastric distension
- local pain and irritation at injection site
- metabolic alkalosis

DOSAGE:

- initial dose: 1 mEq/kg IV
- can be repeated at: 0.5 mEq/kg IV

SPECIAL INFORMATION:

- avoid extravasation of IV solutions
- bicarbonate may inactivate catecholamines in solution (epinephrine, dopamine)
- if administered concurrently with calcium chloride, a precipitate can develop