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Sodium Citrate

National Cancer Institute

Source

National Cancer Institute. *Sodium Citrate*. NCI Thesaurus. Code C62075.

The sodium salt of citrate with alkalinizing activity. Upon absorption, sodium citrate dissociates into sodium cations and citrate anions; organic citrate ions are metabolized to bicarbonate ions, resulting in an increase in the plasma bicarbonate concentration, the buffering of excess hydrogen ion, the raising of blood pH, and potentially the reversal of acidosis. In addition, increases in free sodium load due to sodium citrate administration may increase intravascular blood volume, facilitating the excretion of bicarbonate compounds and an anti-urolithic effect.