

EZorb Calcium® - Calcium Aspartate Anhydrous

Bisphosphonates drugs

Bisphosphonates are a class of drugs that inhibit the function of the **osteoclasts** cells. The osteoclasts cells are the cells that remove dead bone cells providing a place to build strong healthy bone tissue. This bisphosphonate class includes and not limited to alendronate sodium (Fosamax©), etidronate (Didronel©), ibandronate (Boniva©), pamidronate (Aredia©), risedronate (Actonel©), and tiludronate (Skelid©, zoledronic acid (Reclast©). Bisphosphonates are synthetic analogs of pyrophosphate related to the family of commercial cleaning agents.

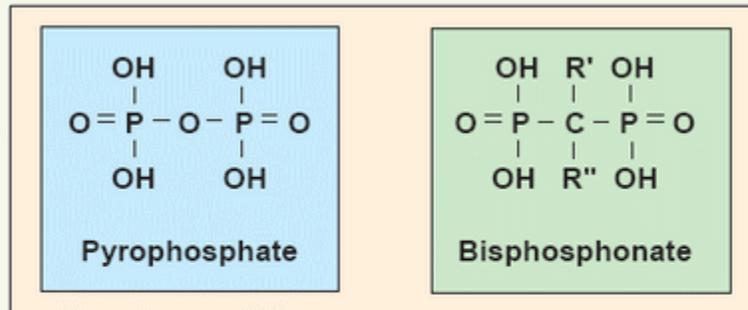


Figure 2: Structure of Inorganic Pyrophosphate and Bisphosphonate—Bisphosphonates are synthetic analogs of inorganic pyrophosphate. Substituting the central oxygen atom for carbon renders the bisphosphonate structure more stable and resistant to thermal, chemical, and enzymatic degradation.

Bisphosphonates **do not build strong healthy bone tissue**, they allow the **dead bone cells to remain in place** in our bone. Dead bone cells are **more dense** than live bone tissue so as more dead cells are retained this will result in the DEX A scan showing a better T-score. Leaving dead bone cells in place is better than holes left from their removal but as time goes by we are turning healthy strong bone into dead brittle bone. This will take many years and the net results will be serious.

Healthy alive bone tissue is built from lots of calcium, some phosphorus, and type one collagen.

If we do not have enough calcium to build bone tissue to replace the dead bone cells that have been removed by the osteoclasts cells then taking bisphosphonate drugs is better than doing nothing. As we have heard Sally Field say so many times, “I have stop my bone loss...” as if this was a good thing. The bone loss she is talking about is from the removal of dead bone cells so healthy bone tissue may take their place. The best procedure is building healthy bone tissue in the place where dead bone cells have been removed.

Bisphosphonate drugs have many bad side effects including Nausea, stomach pain, constipation, diarrhea, gas, bloating or fullness in the stomach, change in ability to taste food, headache, dizziness, swelling of the joints hands or legs.

Some side effects can be serious. New or worsening heartburn, difficulty swallowing, pain on swallowing, chest pain, bloody vomit or vomit that looks like coffee grounds, black, tarry, or bloody stools, fever, blisters or peeling skin, rash (may be made worse by sunlight), itching, hives, swelling of eyes, face, lips, tongue, or throat, difficulty breathing, hoarseness, painful or swollen gums, loosening of the teeth, numbness or heavy feeling in the jaw, poor healing of the jaw, eye pain.

Calcium Aspartate Anhydrous (EZorb©) has no side effects, stimulates the osteoblasts cells to build healthy bone tissue increasing bone density toward normal bones in a short time period.