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Fluoride Ion

National Cancer Institute

Source

National Cancer Institute. *Fluoride Ion*. NCI Thesaurus. Code C28149.

Considered a trace element, fluoride is any combination of elements containing the fluorine atom in the -1 oxidation state (fluoride ion). Due to its reactivity, fluorine is found in nature as fluorine compounds or fluorides. Fluoride inhibits various enzyme systems, erythrocyte glycolysis and binds Ca^{++} , causing anticoagulation and other toxic effects. In addition, fluoride is a mitogen for osteoblasts and stimulates bone formation. (NCI)