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Calcium-46 Chloride Aqueous Solution

National Cancer Institute

Source

National Cancer Institute. *Calcium-46 Chloride Aqueous Solution*. NCI Thesaurus. Code C85474.

An orally bioavailable aqueous solution containing the chloride salt of the radioisotope calcium-46 (^{46}Ca) with phosphate-binding and radioisotopic activities. Upon administration of calcium-46 chloride aqueous solution, calcium-46 is preferentially taken up by osteoblasts, which generate mineralized osteoid containing calcium. Calcium-46 accumulation and turnover in bone can be measured with bone scintigraphy and urinary isotope excretion testing.