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# Calcium-41 Chloride Aqueous Solution

National Cancer Institute

## Source

National Cancer Institute. *Calcium-41 Chloride Aqueous Solution*. NCI Thesaurus. Code C85473.

An orally bioavailable aqueous solution containing the chloride salt of the radioisotope calcium-41 ( $^{41}\text{Ca}$ ) with phosphate-binding and radioisotopic activities. Upon administration of calcium-41 chloride aqueous solution, calcium-41 is preferentially taken up by osteoblasts, which generate mineralized osteoid containing calcium. Calcium-41 accumulation and turnover in bone can be measured with bone scintigraphy and urinary isotope excretion.