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Samarium Sm-153 Lexidronam Pentasodium

National Cancer Institute

Source

National Cancer Institute. *Samarium Sm-153 Lexidronam Pentasodium*. NCI Thesaurus. Code C1220.

The pentasodium salt of samarium Sm 153 lexidronam, a therapeutic agent consisting of a medium energy beta- and gamma-emitting radioisotope, samarium Sm 153, and a teraphosphonate chelator, ethylenediaminetetramethylene phosphonic acid (EDTMP). The chelator moiety of samarium Sm 153 lexidronam associates with hydroxyapatite crystals concentrated in areas of bone turnover, thereby selectively delivering samarium Sm 153-mediated cytotoxic radiation to osteoblastic bone metastases.