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Zirconium Zr 89 DFO-MSTP2109A

National Cancer Institute

Source

National Cancer Institute. *Zirconium Zr 89 DFO-MSTP2109A*. NCI Thesaurus. Code C104420.

A radioimmunoconjugate composed of the radioisotope zirconium Zr 89 conjugated to an antibody that targets six transmembrane epithelial antigen of the prostate 1 (STEAP1) that can potentially be used as a prostate cancer tracer during positron emission tomography (PET). Upon administration of zirconium Zr 89 DFO-MSTP2109A, the antibody moiety DFO-MSTP2109A binds to STEAP1 on prostate cancer cells. In turn, Zr 89 allows for the visualization of those cells using PET. STEAP1, a six-transmembrane domain protein, is overexpressed on the surface of prostate cancer cells.