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Actinium Ac-225 Anti-PSMA Monoclonal Antibody J591

National Cancer Institute

Source

National Cancer Institute. <u>Actinium Ac-225 Anti-PSMA Monoclonal Antibody J591</u>. NCI Thesaurus. Code C153159.

A radioimmunoconjugate consisting of a humanized monoclonal antibody directed against prostate specific membrane antigen (PSMA) labeled with the alpha particle-emitting radioisotope actinium Ac-225, with potential antineoplastic activity. Upon administration, actinium Ac-225 anti-PSMA monoclonal antibody J591 binds to the extracellular domain of PSMA with high affinity, thereby delivering alpha radiation to PSMA expressing cells. PSMA, a type II membrane protein expressed in all types of prostatic tissues, is often overexpressed in tumor cells.

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