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Iodine I 125 RISAD-P

National Cancer Institute

Source

National Cancer Institute. *Iodine I 125 RISAD-P*. NCI Thesaurus. Code C127815.

A radioconjugate containing an androgen receptor (AR) targeting agent, 5-radioiodo-3'-O-(17beta-succinyl-5alpha-androstan-3-one)-2'-deoxyuridin-5'-yl phosphate (RISAD-P), labeled with the radioisotope iodine I 125 ([125I]-RISAD-P), with potential use as an imaging agent for single photon emission computed tomography (SPECT) imaging. Upon administration, iodine I 125 RISAD-P selectively binds to and is taken up by AR. Upon SPECT imaging, AR-expressing tumor cells can be imaged and AR expression levels can be assessed. AR, which is overexpressed on certain tumor cells, plays key roles in tumor cell growth and survival.