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Iodine I 131 Anti-Fibronectin Antibody Fragment L19-SIP

National Cancer Institute

Source

National Cancer Institute. *Iodine I 131 Anti-Fibronectin Antibody Fragment L19-SIP*. NCI Thesaurus. Code C91389.

An iodine 131 radioimmunoconjugate of a small immunoprotein (SIP), derived from the variable region fragment of human monoclonal antibody L19, that is directed against the extra-domain B (ED-B) of fibronectin, with potential radioimmunotherapeutic activity. The SIP moiety of iodine I 131 anti-fibronectin antibody fragment L19-SIP binds to the ED-B domain of fibronectin on tumor cells in the tumor neovasculature. Upon internalization, the I 131 radionuclide may selectively detect or deliver cytotoxic radiation to fibronectin-expressing tumor cells. ED-B of fibronectin, a naturally occurring marker of tissue remodeling and angiogenesis, is expressed in the majority of aggressive solid human tumors, whereas it is not detectable in normal vessels and tissues.