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VEGFR2-targeted Contrast Agent BR55

National Cancer Institute

Source

National Cancer Institute. *VEGFR2-targeted Contrast Agent BR55*. NCI Thesaurus. Code C95204.

A lipopeptide-based, vascular endothelial growth factor receptor 2 (VEGFR2) -targeted contrast agent with the property of molecular imaging of angiogenesis. BR55 is prepared by incorporation of a biospecific heterodimer peptide into the perfluorobutane-containing lipid-shelled microbubble membrane; the peptide specifically binds to VEGFR2 expressed on tumoral vascular endothelium allowing ultrasound imaging of the sites of active angiogenesis.