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# Fluorine F 18 Integrin Alpha v Beta 6-targeted Peptide

National Cancer Institute

## Source

National Cancer Institute. *Fluorine F 18 Integrin Alpha v Beta 6-targeted Peptide*. NCI Thesaurus. Code C150392.

A radiotracer composed of an integrin alphaVbeta6 (aVb6) binding peptide (BP) radiolabeled with the radionuclide fluorine F 18, with potential integrin aVb6 imaging activity using positron emission tomography (PET). Upon administration, the fluorine F 18 integrin aVb6-targeted peptide selectively binds to integrin aVb6-positive cancer cells. During PET, aVb6-expressing tumor cells can be visualized and the degree of tumor growth can be determined. Integrin aVb6, a cell adhesion and signaling receptor, is upregulated in certain cancer cell types and has been associated with increased proliferation, migration and invasion of tumor cells.