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# Fluciclatide F 18

National Cancer Institute

## Source

National Cancer Institute. *Fluciclatide F 18*. NCI Thesaurus. Code C74031.

A radiopharmaceutical compound of a small synthetic cyclic peptide containing an RGD-sequence (Arg-Gly-Asp) labeled with the positron-emitting isotope fluorine F 18 that may be used to selectively image tumor cells and tumor vasculature by PET imaging. The RGD motif of fluciclatide F 18 selectively binds to the  $\alpha V\beta 3$  integrin receptor, commonly upregulated on the surfaces of tumor cells and endothelial cells of tumor vasculature. This agent may be of use in visualizing and quantifying the development of tumor vascularity in response to antiangiogenic agents.