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Lutetium Lu 177 PP-F11N

National Cancer Institute

Source

National Cancer Institute. *Lutetium Lu 177 PP-F11N*. NCI Thesaurus. Code C114499.

A radioconjugate composed of PP-F11N, a gastrin analog, conjugated to the beta-emitting radioisotope lutetium Lu 177, with potential antineoplastic activity and potential use as an imaging agent for scintigraphy. Following intravenous administration, the PP-F11N moiety binds to the cholecystokinin-2 (CCK-2) receptor. Subsequently, the CCK-2 receptor-expressing tumor cells can be visualized scintigraphically. In addition, the radioisotope moiety delivers a cytotoxic dose of beta radiation to CCK-2 receptor-expressing tumor cells. CCK-2 receptors are expressed on a variety of tumor cell types.