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Lutetium Lu-177 Girentuximab

National Cancer Institute

Source

National Cancer Institute. *Lutetium Lu-177 Girentuximab*. NCI Thesaurus. Code C66978.

A radioimmunoconjugate consisting of the chimeric monoclonal antibody cG250 linked to the low energy beta-emitting radioisotope Lutetium 177, via the bifunctional macrocyclic chelating agent tetra-azacyclododecanetetra-acetic acid (DOTA), with potential antineoplastic activity. The antibody moiety of lutetium Lu-177-DOTA-chimeric monoclonal antibody cG250 binds to renal cell carcinoma (RCC) cells expressing the RCC-associated antigen G250; a cytotoxic dose of beta radiation is selectively delivered to G250-expressing RCC cells upon internalization of the radioimmunoconjugate.