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Yttrium Y-90-DOTA-Girentuximab

National Cancer Institute

Source

National Cancer Institute. *Yttrium Y-90-DOTA-Girentuximab*. NCI Thesaurus. Code C53409.

A radioimmunoconjugate comprised of the chimeric monoclonal antibody cG250 conjugated with the bifunctional, macrocyclic chelating agent tetra-azacyclododecanetetra-acetic acid (DOTA) and labeled with the beta-emitting radioisotope yttrium 90. The antibody moiety of yttrium 90 DOTA chimeric monoclonal antibody cG250 binds to renal cell carcinoma cells expressing the G250 antigen, thereby selectively delivering a cytotoxic dose of beta radiation.