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Indium In 111-DOTA-Biotin

National Cancer Institute

Source

National Cancer Institute. *Indium In 111-DOTA-Biotin*. NCI Thesaurus. Code C2495.

A radioconjugate of biotin conjugated with the bifunctional, macrocyclic chelating agent tetra-azacyclododecanetetra-acetic acid (DOTA) and labeled with indium In 111 (In-111). Biotin is a water-soluble B-complex vitamin, present in minute amounts in every living cell, while its level in cancerous tissue is higher than that of normal tissue. In 111-DOTA-Biotin could be used in 3-step pre-targeting radioimmunotherapy that employs tumor targeting antibody conjugated with streptavidin, the natural ligand of biotin.