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Lutetium Lu 177-NeoB

National Cancer Institute

Source

National Cancer Institute. *Lutetium Lu 177-NeoB*. NCI Thesaurus. Code C158734.

A radioconjugate consisting of the gastrin-releasing peptide receptor (GRPR) antagonist, NeoB, linked via the chelating agent, dodecanetetraacetic acid (DOTA), to the beta-emitting radioisotope lutetium Lu 177, with potential antineoplastic activity. Upon administration, lutetium Lu 177 NeoB targets and binds to GRPRs present on certain tumor cells. Upon binding and internalization, this radioconjugate specifically delivers a cytotoxic dose of beta radiation to GRPR-expressing cells. GRPR, also known as bombesin receptor subtype 2, is a G protein-coupled receptor that is overexpressed in some cancer types.