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Gallium Ga 68-NOTA-RM26

National Cancer Institute

Source

National Cancer Institute. *Gallium Ga 68-NOTA-RM26*. NCI Thesaurus. Code C150397.

A radioconjugate containing RM26, a synthetic bombesin analogue and antagonist of the gastrin-releasing peptide receptor (GRPR), that is linked, through the macrocyclic chelating agent 1,4,7-triazacyclononane-N,N',N''-triacetic acid (NOTA) to the radionuclide gallium (Ga) 68, with potential use in diagnostic imaging using positron emission tomography/computed tomography (PET/CT). Upon administration of gallium Ga 68-NOTA-RM26, the peptide moiety targets and binds to GRPR. Upon PET/CT, GRPR-expressing tumor cells can then be visualized. GRPR, also called bombesin receptor subtype 2 (BB2), is a G protein-coupled seven-transmembrane receptor belonging to the bombesin receptor family. It is overexpressed in certain types of cancers.