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(54) Title: A NOVEL KIT FOR RADIOPHARMACEUTICAL PREPARATION OF A RADIOMETAL LABELED CHELATE-FUNCTIONALIZED TARGETING CONJUGATE

(57) Abstract: Subject matter of the present invention is a lyophilized kit formulation for the preparation of radiometal labeled chelate-functionalized GRP receptor targeting conjugates comprising • a chelate-functionalized GRP receptor targeting conjugate comprising i. a chelating moiety ii. at least one targeting moiety, wherein said targeting moiety is a GRP receptor (GRPr) targeting peptide, and iii. optionally, at least one linker, connecting the chelating moiety with the GRP receptor (GRPr) targeting moiety, and • at least one GRP receptor (GRPr) targeting moiety, • at least one non-reducing sugar selected from the group comprising trehalose and sucrose, and • at least one radio stabilizer, selected from the group comprising ascorbic acid, ascorbic acid salts, gentisic acid, gentisic acid salts, or mixtures thereof.