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(54) Title: METHODS FOR RADIOLABELLING GRPR ANTAGONISTS AND THEIR KITS

(57) Abstract: The present invention relates to methods for radiolabelling GRPR antagonists such as NeoB, and their kits. In particular, the invention to a method for labeling a gastrin-releasing peptide receptor (GRPR) antagonist with a radioactive isotope, preferably ⁶⁸Ga, ⁶⁷Ga or ⁶⁴Cu, said method comprising the steps of: i. providing a first vial comprising said GRPR antagonist in dried form, ii. adding a solution of said radioactive isotope into said first vial, thereby obtaining a solution of said GRPR antagonist with said radioactive isotope, iii. mixing the solution obtained in ii. with at least a buffering agent and incubating it for a sufficient period of time for obtaining said GRPR antagonist labeled with said radioactive isotope, and, iv. optionally, adjusting the pH of the solution.



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