

ABSTRACT

A method for producing a radioactive zirconium complex of the present invention includes a step of reacting a radioactive zirconium ion, a ligand compound containing DOTA or a DOTA derivative, and an additive such as hydroxybenzoic acid and a derivative thereof with one another in a reaction solution to form a radioactive zirconium complex. As the reaction solution, a reaction solution is used in which the amount of radioactivity of the radioactive zirconium ion is 60 MBq or more at the start of the reaction and the amount of radioactivity of the radioactive zirconium ion is 5 MBq or more per 1 nmol of the ligand compound at the start of the reaction.