

Abstract

An adsorbent for a germanium [^{68}Ge]-gallium [^{68}Ga] generator, a preparation method therefor and a germanium [^{68}Ge]-gallium [^{68}Ga] generator. The adsorbent is used for adsorbing ^{68}Ge element; the adsorbent comprises a plurality of titanium dioxide particles, and the plurality of titanium dioxide particles have a specific surface area of from $30\text{ m}^2/\text{g}$ to $100\text{ m}^2/\text{g}$; the titanium dioxide particles consist of a plurality of nanoparticles, and the plurality of nanoparticles have an average particle size of from 10 nm to 100 nm ; the nanoparticles comprise mesopores having a pore size of from 5 nm to 30 nm .

Fig.5