ABSTRACT

DENDRIMERIC POLYCHELANTS

There are provided polychelants and their metal chelates which are useful in diagnostic imaging and in radiotherapy and which comprise a plurality of macrocyclic chelant moieties, e.g. DOTA residues, conjugated to an up to fifth generation dendrimer backbone molecule, e.g. a starburst dendrimer. To produce a site-specific polychelate, one or more of the macrocyclic chelant carrying backbone molecules may be conjugated to a site-directed molecule, e.g. a protein.