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综述

$^{99}Tc^{m}$标记的混配放射性药物研究进展

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摘要

$^{99}Tc^{m}$标记的混配放射性药物是近年来在核医学领域中新兴的一类显像剂。本文介绍了“3+1”型、“4+1”型、“3+1+1”型、”“4+1+1”型和“2+2”型混配放射性药物的化学结构、生物分布及其优缺点。这几种类型的混配药物中，优以“2+2”型混配药物的化学、生物学特性为好，更具有好的应用前景

关键词 混配放射性药物 生物分布 显像剂 $^{99}Tc^{m}$标记

分类号

Development of $^{99}Tc^{m}$ Labelled Mixed-Ligand Complexes

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Abstract

Recently, mixed-ligand technetium complexes are the novel tracers in nuclear medicine. Some 99 Tcm complexes with different ligands were viewed， which include “3+1”,” 4+1”,” 3+1+1”,” 4+1+1”and “2+2”, and their chemical properties, biodistribution and their limits were also discussed. Amone these ligands,the type “2+2” has the best characteristic of chemical and biology, and shows potential application values.

Key words mixed-ligand complexes _ biodistribution _ imaging agents _ 99Tcm labeling

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