

Fluorescent Bisphosphonate Bone Imaging Probes

Published date: March 28, 2018

Technology description

Market Opportunity

Bisphosphonate compounds are used in the treatment of bone disorders such as osteoporosis and Paget's disease and have been used to treat cancer. Radioactive imaging probes are used in conjunction with bisphosphonate drugs to monitor the effectiveness of the treatment. These radioactive imaging probes have low sensitivity and put the patient at risk for long-term toxic effects. There is a need for a more sensitive and less toxic bisphosphonate imaging probe.

USC Solution

USC researchers have developed numerous bisphosphonate imaging probes. These fluorescent probes show greatly increased sensitivity and lower potential long-term toxicity than the currently used radioactive imaging probes.

Application area

Imaging probes

Advantages

High sensitivity

Low toxicity

Institution

[University of Southern California](#)

联系我们



叶先生

电话 : 021-65679356

手机 : 13414935137

邮箱 : yeyingsheng@zf-ym.com