

Method for Preparation of High Specific Activity Reactor-Produced Lutetium-177

Disclosure Number

200101033

Technology Summary

The subject invention disclosed herein is a method for preparing high specific activity lutetium-177 comprising the "indirect" production of Lutetium-177 from radioactive decay of reactor-produced ytterbium-177 and then a unique chemical separation method step separating high specific activity lutetium-177 from the Yb target. The method of the subject invention provides the availability of high specific activity, no carrier-added lutetium-177 for the application of peptide-targeted cancer therapy and related medical applications.

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