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(54) Title: **RADIOPHARMACEUTICAL AND METHODS**

(57) Abstract: The radiopharmaceutical <sup>177</sup>Lu-PSMA I&T is provided, including in high purities with extended shelf life. Further provided are methods of synthesis of <sup>177</sup>Lu-PSMA I&T and pharmaceutical compositions and methods of treatment that comprise <sup>177</sup>Lu-PSMA I&T.



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